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CATALOG 1967-1968

# Amherst College Bulletin

VOLUME 57 • NUMBER 1

OCTOBER 1967



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# DIRECTIONS FOR CORRESPONDENCE

The post office and telegraph address of the College is Amherst, Massachusetts, 01002. The telephone number for all departments is 542-2000 (Area Code 413).

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Specific inquiries on the following subjects should be addressed to the officers named below:

Admission of students	Eugene S. Wilson, <i>Dean of Admission</i>
Alumni matters	J. Alfred Guest, <i>Secretary of the Alumni Council</i>
Business matters	Minot Grose, <i>Business Manager</i>
Catalogs and brochures	Horace W. Hewlett, <i>Secretary of the College</i>
Financial Aid	Dean Donald McM. Routh
Student affairs	Dean William L. Swartzbaugh
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## 1967-1969

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NOVEMBER							DECEMBER							JANUARY 1968							FEBRUARY						
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MARCH							APRIL							MAY							JUNE						
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# COLLEGE CALENDAR

## 1967

*September 13, Wednesday.* Classes begin, 9:00 A.M.

*October 28, Saturday.* Wesleyan football game. A holiday.

*November 18, Saturday.* Williams football game at Williamstown. A holiday.

*November 21, Tuesday.* Thanksgiving recess begins, 5:00 P.M.

*November 27, Monday.* Thanksgiving recess ends, 8:40 A.M.

*December 16, Saturday.* Christmas recess begins, 12:50 P.M.

## 1968

*January 3, Wednesday.* College facilities open.

*January 5-11, Friday-Thursday.* One week of classes.

*January 16-22, Tuesday-Monday.* First Semester examination period.

*January 29, Monday.* Second Semester begins, 8:40 A.M.

*March 15, Friday.* Spring vacation begins, 5:00 P.M.

*April 1, Monday.* Spring vacation ends, 8:40 A.M.


*May 11, Saturday.* Dance holiday.

*May 18, Saturday.* Classes end, 12:50 P.M.

*May 20-22, Monday-Wednesday.* Study period.

*May 23-29, Thursday-Wednesday.* Second Semester examination period.

*June 7, Friday.* Commencement.



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# I

THE CORPORATION

FACULTY

FELLOWS

ADMINISTRATION



# The Corporation

## CHAIRMAN OF THE CORPORATION

John Jay McCloy, LL.B., *New York, New York*

## PRESIDENT OF THE COLLEGE

Calvin Hastings Plimpton, M.D., MED.SC.D., *Amherst, Massachusetts*

## TRUSTEES

Henry Selden Kingman, B.A., *Minneapolis, Minnesota*

Francis Taylor Pearsons Plimpton, LL.B., *New York, New York*

Julius Seelye Bixler, PH.D., *Jaffrey, New Hampshire*

Kendall Bush DeBevoise, LL.B., *New York, New York*

Walter Gellhorn, LL.B., *New York, New York*

Oliver Boutwell Merrill, LL.B., *New York, New York*

John Anthony Hill, LL.B., *New York, New York*

Harry William Knight, M.B.A., *Darien, Connecticut*

Howard Oliver Colgan, Jr., LL.B., *New York, New York*

William Henry Hastie,\* S.J.D., *Philadelphia, Pennsylvania*

Everett Milton Hicks,\* M.B.A., *Worcester, Massachusetts*

Walter Orr Roberts,\* PH.D., *Boulder, Colorado*

George Leslie Cadigan,\* B.A., *St. Louis, Missouri*

George Bickley Beitzel,\* M.B.A., *Chappaqua, New York*

David Bicknell Truman,\* PH.D., *New York, New York*

## SECRETARY OF THE CORPORATION

James Alfred Guest, LL.B., *Amherst, Massachusetts*

## TRUSTEES EMERITI

Robert Washburn Maynard, LL.B., *Boston, Massachusetts*

Arthur Lee Kinsolving, B.D., *New York, New York*

Lewis Williams Douglas, B.A., *Phoenix, Arizona*

Eustace Seligman, LL.B., *New York, New York*

Frank Learoyd Boyden, B.A., *Deerfield, Massachusetts*

\*The terms of the Alumni Trustees expire as follows: William Henry Hastie, 1968; Everett Milton Hicks, 1969; Walter Orr Roberts, 1970; George Leslie Cadigan, 1971; George Bickley Beitzel, 1972; David Bicknell Truman, 1973.



# COMMITTEES OF THE CORPORATION

The Chairman of the Corporation and the President of the College are members, *ex officio*, of all committees.\*

**Executive Committee.** Messrs. Bixler, DeBevoise, Gellhorn, Hicks, Hill, Knight, Merrill (Chairman), Plimpton.

**Budget and Finance Committee.** Messrs. Beitzel, DeBevoise, Hicks, Hill (Chairman), Kingman, Merrill, Seligman.

**Investment Committee.** Messrs. Colgan, Hicks, Hill, Kingman, Knight, Merrill (Chairman), Plimpton.

**Instruction Committee.** Messrs. Beitzel, Bixler, Cadigan, DeBevoise, Gellhorn, Hastie, Plimpton, Roberts, Seligman, Truman (Chairman).

**Buildings and Grounds Committee.** Messrs. Beitzel, Bixler, Cadigan, DeBevoise (Chairman), Hastie, Hicks, Hill, Kingman, Merrill, Seligman.

**Honorary Degrees Committee.** Messrs. Bixler (Chairman), Cadigan, Gellhorn, Hastie, Plimpton, Roberts, Seligman.

**Folger Shakespeare Library Committee.** Messrs. Bixler, Colgan, Hastie, Plimpton (Chairman), Roberts, Seligman.

**Committee on Fraternities and Student Life.** Messrs. Beitzel, Bixler, Cadigan, Colgan, DeBevoise, Gellhorn (Chairman), Hastie, Knight, Merrill, Truman.

**Compensation Committee.** Messrs. Cadigan, Colgan, Gellhorn, Hicks (Chairman), Hill, Kingman, Knight, Roberts, Seligman, Truman.

**Committee on Development.** Messrs. Beitzel, Colgan (Chairman), Hill, Knight, Merrill, Plimpton, Roberts.

\* The committee listings are preliminary and will be voted finally at the Autumn 1967 meeting.

# Faculty

**Calvin Hastings Plimpton**, *President of the College*. B.A. (1939) Amherst College; M.D. (1943), M.A. (1947) Harvard University; Med. Sc.D. (1951) Columbia University; LL.D. (1960) Williams College; LL.D. (1961) Wesleyan University; Sc.D. (1962) Rockford College; LL.D. (1962) Doshisha University; L.H.D. (1962) University of Massachusetts; Sc.D. (1963) Saint Mary's College; LL.D. (1963) St. Lawrence University; Litt.D. (1965) American International College; Sc.D. (1966) Trinity College; Sc.D. (1967) Grinnell College.

**Prosser Gifford**, *Dean of the Faculty*. B.A. (1951) Yale University; B.A. (1953) Merton College, Oxford University; LL.B. (1956) Harvard Law School; Ph.D. (1964) Yale University.

**Eugene Smith Wilson**, *Dean of Admission*. B.A. (1929) Amherst College.

**William Lamson Swartzbaugh**, *Dean of Students*. B.A. (1944) Dartmouth College; B.D. (1949) Yale University; M.A. (1952), Ph.D. (1957) Ohio State University.

**Cortland Van Rensselaer Halsey**, *Associate Dean of Admission*. B.A. (1950) Rutgers University; M.A. (1952) University of Rhode Island; Ph.D. (1956) University of Pennsylvania.

**Nathaniel Reed**, *Assistant Dean*. B.A. (1955), Ph.D. (1964) Yale University.

**Donald McMillan Routh**, *Assistant Dean*. B.A. (1958) Amherst College; M.A.T. (1960) Johns Hopkins University.

**Robert Appleby Ward**, *Assistant Dean*. B.A. (1957) Amherst College; Ed.M. (1966) Harvard University.

**Robert Freeman Grose**, *Registrar*. B.A. (1944); M.S. (1947), Ph.D. (1953) Yale University.

## EMERITI

**Charles Woolsey Cole**, *President, Emeritus*. B.A. (1927) Amherst College; A.M. (1928), Ph.D. (1931) Columbia University; L.H.D. (1942) Amherst College, (1951) University of Massachusetts, (1953) Trinity College; LL.D. (1946) Wagner College, (1946) Wesleyan University, (1946) Williams College, (1952) American International College, (1953) Doshisha University, (1954) Columbia University, (1960) Amherst College; Litt.D. (1948) Hamilton College; Sc.D. (1948) Clarkson College; LL.D. (1964) Emerson College.

## AMHERST COLLEGE

**George William Bain**, *Samuel A. Hitchcock Professor of Mineralogy and Geology, Emeritus*. B.Sc. (1921), M.Sc. (1923) McGill University; M.A. (1923), Ph.D. (1927) Columbia University; M.A. (hon. 1941) Amherst College.

**Ralph Alonzo Beebe**, *Massachusetts Professor of Chemistry, Emeritus*. B.A. (1920) Amherst College; Ph.D. (1923) Princeton University.

**Paul Witherspoon Eckley**, *Professor of Physical Education, Emeritus*. B.A. (1917) Cornell University; M.A. (hon. 1949) Amherst College.

**George Banks Funnell**, *Professor of French, Emeritus*. B.A. (1924) Amherst College; M.A. (1928) Harvard University.

**George Rolfe Humphries**, *Lecturer in English, Emeritus*. B.A. (1915), M.A. (hon. 1950) Amherst College.

**Michael Joseph Kennedy**, *Associate Professor of Physical Education, Emeritus*.

**Sterling Power Lamprecht**, *Emily C. Jordan Folger Professor of Philosophy, Emeritus*. B.A. (1911) Williams College; M.A. (1912) Harvard University; B.D. (1915) Union Theological Seminary; Ph.D. (1918) Columbia University; M.A. (hon. 1934) Amherst College; Litt.D. (1957) Williams College.

**Karl Loewenstein**, *William Nelson Cromwell Professor of Jurisprudence and Political Science, Emeritus*. B.L. (1914), D.C.L. (1919) University of Munich; M.A. (hon. 1940) Amherst College.

**Allison Wilson Marsh**, *Professor of Hygiene and Physical Education, Emeritus*. B.A. (1913) Amherst College; M.Ed. (1925) Harvard University; L.H.D. (1963) Amherst College.

**Harold Henry Plough**, *Edward S. Harkness Professor of Biology, Emeritus*. B.A. (1913) Amherst College; M.A. (1915), Ph.D. (1917) Columbia University; Sc.D. (1963) Amherst College.

**Edward Dwight Salmon**, *Winkley Professor of History, Emeritus*. B.S. (1917) University of Rochester; M.A. (1923), Ph.D. (1934) Harvard University; M.A. (hon. 1938) Amherst College.

**Oscar Emile Schotté**, *Rufus Tyler Lincoln Professor of Biology, Emeritus*. B.S. (1920), Sc.D. (1925) University of Geneva; M.A. (hon. 1944) Amherst College.

**Theodore Soller**, *Professor of Physics, Emeritus*. B.A. (1922) Oberlin College; M.A. (1924), Ph.D. (1931) University of Wisconsin, M.A. (hon. 1946) Amherst College.

**Atherton Hall Sprague**, *Professor of Mathematics, Emeritus*. B.A. (1920) Amherst College; M.A. (1923), Ph.D. (1941) Princeton University.

## FACULTY

**George Rogers Taylor**, *George D. Olds Professor of Economics, Emeritus*. Ph.B. (1921), Ph.D. (1929) University of Chicago; M.A. (hon. 1939) Amherst College.

**Willard Long Thorp**, *Professor of Economics, Emeritus*. B.A. (1920) Amherst College; M.A. (1921) University of Michigan; Ph.D. (1924) Columbia University; LL.D. (1935) Marietta College, (1949) Amherst College, (1950) Albright College, (1960) University of Massachusetts, (1960) University of Michigan.

**Charles Hansen Toll**, *Professor of Philosophy and Psychology, Emeritus*. B.A. (1904) Hamilton College; M.A. (1905) Harvard University; Ph.D. (1909) University of Freiburg; M.A. (hon. 1934) Amherst College.

## PROFESSORS

**Hugh George Jeffrey Aitken**, *Professor of Economics*. B.A. (1943), M.A. (1947) St. Andrews University; M.A. (1948) University of Toronto; Ph.D. (1951) Harvard University; M.A. (hon. 1966) Amherst College.

**Arnold Boris Arons**, *Professor of Physics*. M.E. (1937), M.S. (1940) Stevens Institute of Technology; Ph.D. (1943) Harvard University; M.A. (hon. 1953) Amherst College.

**Theodore Baird**, *Samuel Williston Professor of English*. B.A. (1921) Hobart College; M.A. (1922), Ph.D. (1929) Harvard University; M.A. (hon. 1939) Amherst College.

**Bruce Buzzell Benson**, *Professor of Physics*. B.A. (1943) Amherst College; M.S. (1945), Ph.D. (1947) Yale University.

**Robert Charles Birney**, *Professor of Psychology*. B.A. (1952) Wesleyan University; M.A. (1953), Ph.D. (1955) University of Michigan; M.A. (hon. 1965) Amherst College.

**Walter Leroy Boughton**, *Stanley King Professor of Dramatic Arts and Director of Kirby Memorial Theater*. B.A. (1941), M.A. (1949) Brown University; M.F.A. (1951) Yale University; M.A. (hon. 1964) Amherst College.

**Robert Hermann Breusch**, *Professor of Mathematics*. Ph.D. (1932) University of Freiburg; M.A. (hon. 1954) Amherst College.

**Bailey LeFevre Brown**, *Professor of Mathematics*. B.A. (1924) Amherst College; M.A. (1925) Princeton University.

**Stephen Brown**, *College Physician & Parmly Billings Professor of Hygiene*. B.A. (1928) Amherst College; M.D. (1932) Yale University.



## AMHERST COLLEGE

**Jeffrey James Carre,\*** *Professor of Romance Languages*. B.A. (1940) Bowdoin College; Ph.D. (1950) Columbia; M.A. (hon. 1964) Amherst College.

**Arnold Collery,** *Professor of Economics*. B.A. (1950) University of Buffalo; Ph.D. (1958) Princeton University; M.A. (hon. 1964) Amherst College.

**Henry Steele Commager,** *Winthrop H. Smith Professor of American History*. Ph.B. (1923), M.A. (1924), Ph.D. (1928) University of Chicago; M.A. (hon. 1947) Cambridge University, (hon. 1952) Oxford University, (hon. 1957) Amherst College; Litt.D. (1958) Washington College, (1958) Ohio Wesleyan University, (1959) Monmouth College; Ed.D. (1960) Rhode Island College of Education; LL.D. (1960) Brandeis University, (1960) Michigan State University, (1962) Franklin and Marshall College; D.Litt. (1962) Cambridge University; L.H.D. (1962) University of Hartford, (1963) University of Puget Sound; Honorary Fellow, Peterhouse; D.C.L. (1964) Alfred University; LL.D. (1964) University of Pittsburgh; Litt.D. (1965) Marymont College; D.H.L. (1966) Carlton College; LL.D. (1967) Marietta College.

**Haskell Robert Coplin,** *Professor of Psychology and Student Counselor*. B.A. (1947), M.A. (1948), Ph.D. (1951) University of Michigan; M.A. (hon. 1957) Amherst College.

**George Armour Craig,\*** *Professor of English*. B.A. (1937) Amherst College; M.A. (1938), Ph.D. (1947) Harvard University.

**Benjamin Haile DeMott,** *Professor of English*. B.A. (1949) George Washington University; M.A. (1950), Ph.D. (1953) Harvard University; M.A. (hon. 1960) Amherst College.

**Joseph Epstein,** *Professor of Philosophy*. B.S.S. (1939) City College of New York; Ph.D. (1951) Columbia University; M.A. (hon. 1961) Amherst College.

**Richard Martin Foose,** *Professor of Geology*. B.S. (1937) Franklin and Marshall College; M.S. (1939) Northwestern University; Ph.D. (1942) Johns Hopkins University; M.A. (hon. 1964) Amherst College.

**Reginald Foster French,** *Professor of Romance Languages*. B.A. (1927) Dartmouth College; M.A. (1928), Ph.D. (1934) Harvard University; M.A. (hon. 1947) Amherst College.

**Theodore Phinney Greene,** *Professor of History*. B.A. (1943) Amherst College; M.A. (1948) Columbia University.

**John Burt Halsted,** *Professor of History*. B.A. (1948), M.A. (1949) Wesleyan University; Ph.D. (1954) Columbia University; M.A. (hon. 1966) Amherst College.

**Edward Robert Harrison,** *Professor, Four-College Department of Astronomy*. Fellow, Institute of Physics (England); Fellow, Royal Astronomical Society.

\*On leave 1967-68.

## FACULTY

**William C. Havard**, *Visiting Professor of Political Science*. B.A. (1943), M.A. (1947) Louisiana State University; Ph.D. (1956) London School of Economics.

**Alfred Freeman Havighurst**, *Professor of History*. B.A. (1925) Ohio Wesleyan University; M.A. (1928) University of Chicago; Ph.D. (1936) Harvard University; M.A. (hon. 1955) Amherst College.

**William Michael Hexter**, *Professor of Biology*. B.A. (1949) University of California (Berkeley); M.A. (1951), Ph.D. (1953) University of California; M.A. (hon. 1966) Amherst College.

**Ernest Alfred Johnson**,\* *Professor of Romance Languages*. B.A. Amherst College (1939); M.A. (1940) University of Chicago; M.A. (1941), Ph.D. (1950) Harvard University.

**George Anthony Kateb**,\* *Professor of Political Science*. B.A. (1952), M.A. (1953), Ph.D. (1960) Columbia University; M.A. (hon. 1967) Amherst College.

**Gail Kennedy**, *Henry C. Folger Professor of Philosophy*. B.A. (1922) University of Minnesota; Ph.D. (1928) Columbia University; M.A. (hon. 1940) Amherst College.

**William Elmer Kennick**, *Professor of Philosophy*. B.A. (1945) Oberlin College; Ph.D. (1952) Cornell University; M.A. (hon. 1962) Amherst College.

**George Wallace Kidder**, *Stone Professor of Biology*. B.A. (1926) University of Oregon; M.A. (1929) University of California; Ph.D. (1932) Columbia University; M.A. (hon. 1949) Amherst College; Sc.D. (hon. 1950) Wesleyan University.

**Theodore Koester**,† *Professor of Psychology*. B.A. (1936) Wesleyan University; B.D. (1942) Hartford Theological Seminary; Ph.D. (1945) Columbia University; M.A. (hon. 1950) Amherst College.

**Earl Latham**, *Joseph B. Eastman Professor of Political Science*. B.A. (1931), Ph.D. (1939) Harvard University; M.A. (hon. 1949) Amherst College.

**Albert Ernest Lumley**, *Professor of Physical Education*. B.S. (1925) Eastern Michigan College; M.A. (1938) Oberlin College; M.A. (hon. 1947) Amherst College.

**Leo Marx**, *Professor of English and American Studies*. B.S. (1941), Ph.D. (1949) Harvard University; M.A. (hon. 1959) Amherst College.

**Benjamin Franklin McCabe**, *Professor of Physical Education*. B.A. (1946) Iowa State Teacher's College; M.A. (hon. 1964) Amherst College.

**Ralph Cleland McGoun, Jr.**, *Professor of Dramatic Arts*. B.A. (1927), M.A. (1929) Amherst College.

\*On leave 1967-68.

†On leave second semester 1967-68.

## AMHERST COLLEGE

**Newton Felch McKeon**, *Professor of English & Director of Robert Frost Library*. B.A. (1926) Amherst College; M.A. (hon. 1948) Amherst College.

**Henry George Mishkin**, *Professor of Music*. B.A. (1931) University of California; M.A. (1937), Ph.D. (1938) Harvard University; M.A. (hon. 1954) Amherst College.

**John Andrew Moore**, *Class of 1880 Professor of the Classics*. B.A. (1938), M.A. (1940) Harvard University; M.A. (hon. 1958) Amherst College.

**Charles Hill Morgan**, *Professor of Fine Arts on the William R. Mead Foundation*. B.A. (1924), M.A. (1926), Ph.D. (1928) Harvard University; M.A. (hon. 1938) Amherst College; LL.D. (1960) University of Vermont.

**F(red) Bruce Morgan**, *Professor of Religion*. B.S. (1939) Maryville College; Th.B. (1942), Th.D. (1958) Princeton Theological Seminary; M.A. (hon. 1963) Amherst College.

**Vincent Morgan**, *Professor of Music*. B.Mus. (1932), M.Mus. (1934) New England Conservatory of Music; M.A. (hon. 1946) Amherst College.

**James Rodney Nelson**, *Charles E. Merrill Professor of Economics*. B.A. (1936) Oberlin College; B.A. (1938) Oxford University; Ph.D. (1948) Harvard University; M.A. (hon. 1951) Amherst College.

**James Elmore Ostendarp**, *Professor of Physical Education*. B.S. (1952) Bucknell University; M.A. (1956) Columbia University; M.A. (hon. 1966) Amherst College.

**John Pemberton, III**, *Professor of Religion*. B.A. (1948) Princeton University; B.D. (1952), Ph.D. (1958) Duke University; M.A. (hon. 1967) Amherst College.

**Murray Bisbee Peppard**, *Professor of German*. B.A. (1939) Amherst College; M.A. (1942), Ph.D. (1948) Yale University.

**Donald Stevenson Pitkin**, *Professor of Anthropology*. B.A. (1947), M.A. (1950), Ph.D. (1954) Harvard University; M.A. (hon. 1966) Amherst College.

**Ellsworth Elliott Richardson**, *Professor of Physical Education*. B.A. (1927), M.A. (1932) Amherst College.

**Charles Ensign Rogers**, *Professor of Fine Arts and Dramatic Arts*. B.A. (1927) Albion College; M.A. (1931) Columbia University; M.A. (hon. 1961) Amherst College.

**Robert Horton Romer**, *Professor of Physics*. B.A. (1952) Amherst College; Ph.D. (1955) Princeton University.



## FACULTY

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**Anthony Scenna**,† *Professor of German*. B.A. (1927) Amherst College; M.A. (1929), Ph.D. (1937) Columbia University.

**John Donovan Strong**, *Professor, Four-College Department of Astronomy*. B.A. (1926) University of Kansas; Ph.D. (1930) University of Michigan.

**Dudley Herbert Towne**,\* *Professor of Physics*. B.S. (1947) Yale University; M.A. (1949), Ph.D. (1953) Harvard University; M.A. (hon. 1964) Amherst College.

**Frank Anderson Trapp**,\* *Professor of Fine Arts*. B.A. (1943) Carnegie Institute of Technology; M.A. (1947) University of Pittsburgh; Ph.D. (1951) Harvard University; M.A. (hon. 1963) Amherst College.

**Frederick King Turgeon**, *Professor of French*. B.A. (1923) Bowdoin College; M.A. (1924), Ph.D. (1930) Harvard University; M.A. (hon. 1940) Amherst College.

**John William Ward**,\* *Professor of History and American Studies*. A.B. (1947) Harvard College; M.A. (1950), Ph.D. (1953) University of Minnesota; M.A. (hon. 1965) Amherst College.

**Colston Estey Warne**, *Professor of Economics*. B.A. (1920), M.A. (1921) Cornell University; Ph.D. (1925) University of Chicago; M.A. (hon. 1942) Amherst College.

**Robert Byron Whitney**,\* *George H. Corey Professor of Chemistry*. B.A. (1924), Ph.D. (1927) University of Minnesota; M.A. (hon. 1944) Amherst College.

**Alfred Burton Willcox**,\* *Professor of Mathematics*. B.A. (1947), M.A. (1948), Ph.D. (1953) Yale University; M.A. (hon. 1964) Amherst College.

**Richard Eugene Wilson**, *Professor of Physical Education*. B.A. (1934), Midland College; B.P.E. (1937), M.Ed. (1938) Springfield College; M.A. (hon. 1960) Amherst College.

**Albert Elmer Wood**, *Professor of Biology*. B.S. (1930) Princeton University; M.A. (1932), Ph.D. (1935) Columbia University; M.A. (hon. 1954) Amherst College.

\*On leave 1967-68.

†On leave second semester 1967-68.

## AMHERST COLLEGE

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**Benjamin Munn Ziegler**, *Bertrand Snell Professor of Political Science*. B.A. (1928) New York University; LL.B. (1931), M.A. (1933), Ph.D. (1935) Harvard University; M.A. (hon. 1952) Amherst College.

## ASSOCIATE PROFESSORS

**Duane W. Bailey**, *Associate Professor of Mathematics*. B.A. (1957) Washington State University; M.A. (1959), Ph.D. (1961) University of Oregon.

**Ralph Everett Beals**, *Associate Professor of Economics*. B.S. (1958) University of Kentucky; M.A. (1959) Northwestern University.

**Gerald Patrick Brophy**, *Associate Professor of Geology*. B.A. (1951), M.A. (1953), Ph.D. (1954) Columbia University.

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**John Arthur Cameron**, *Associate Professor of English*. B.A. (1952), M.A. (1957), Ph.D. (1963) Yale University; Diploma (1955) University of Edinburgh.

**William Calvin Cannon**, *Associate Professor of Spanish*. B.A. (1952) Baylor University; M.A. (1953), Ph.D. (1958) Tulane University.

**Otis Cary**, *Associate Professor on leave for service at Doshisha University and Director of Amherst House, Doshisha University*. B.A. (1946) Amherst College; M.A. (1951) Yale University.

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**Richard John Cody**, *Associate Professor of English*. B.A. (1952) University of London (University College, Southampton); M.A. (1958), Ph.D. (1961) University of Minnesota.

**Peter Czap, Jr.**,\* *Associate Professor of History*. B.A. (1953) Rutgers University; Ph.D. (1959) Cornell University.

**Colby Wilson Dempsey**, *Associate Professor of Physics*. B.A. (1952) Oberlin College; M.A. (1955), Ph.D. (1957) Rice Institute.

**Henry Frederick Dunbar, Jr.**, *Associate Professor of Physical Education*. B.A. (1944) Amherst College; M.A. (1949) Teachers College, Columbia University; Ph.D. (1950) Columbia University.

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## FACULTY

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**Prosser Gifford**, *Associate Professor of History and Dean of the Faculty*. B.A. (1951) Yale University; B.A. (1953) Merton College, Oxford University; LL.B. (1956) Harvard Law School; Ph.D. (1964) Yale University.

**Elmo Giordanetti**, *Associate Professor of Romance Languages*. B.A. (1951) Bowdoin College; M.A. (1954), Ph.D. (1959) Princeton University.

**Joel Ethan Gordon**, *Associate Professor of Physics*. B.A. (1952) Harvard University; Ph.D. (1958) University of California.

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**Hugh Dodge Hawkins**, *Associate Professor of History and American Studies*. B.A. (1950) DePauw University; Ph.D. (1954) Johns Hopkins University.

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\*On leave 1967-68.

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## AMHERST COLLEGE

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**Carroll William Westfall**, *Assistant Professor of Fine Arts*. B.A. (1961) University of California; M.A. (1963) University of Manchester, England; Ph.D. (1967) Columbia University.

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Virginia Dewey, *PH.D., Biology*

### ASSISTANTS

Marie-Helene Archambault, *French*

Michel Claude Bar, *French*

Jean-Francois Deschamps, *French*

Rafael Sergio Grasso, *Spanish*

Rainer Albert Erich Huhle, *German*

Stanley A. Lawton, *Physics*

Jean Rey, *French*

Andrew B. Walsh, *Physics*

## FACULTY COMMITTEES

**Committee of Six.** President Plimpton (Chairman, *ex officio*), Dean Gifford (Secretary *ex officio*), Professors Collery, DeMott, Kennick, Kropf, Marx, and B. Morgan.

**Committee on Educational Policy.** Professors Cameron, Cannon (Secretary), Fink, Hawkins, and Hexter (Chairman).

**Fellowship Committee.** President Plimpton (Chairman), Dean Gifford (Secretary), Dean Routh, Professors Baird, Hexter, B. Morgan, and Ziegler.

**Committee on Admission and Scholarships.** President Plimpton (Chairman), Dean Wilson (Secretary), Dean Gifford, Dean Halsey, Dean Routh, Dean Swartzbaugh, Professors Dempsey, Levin, J. Moore, and Townsend.

**Committee on Independent Study.** Professor Birney (Chairman), Dean Gifford, Professors Halsted and White.

**Committee on Intercollegiate Athletics.** President Plimpton (Chairman), Dean Gifford (Secretary), Professors Foose, Ostendarp, Richardson, Rozwenc, Wilson, and Ziegler.

**Lecture Committee.** Professors Pemberton (Chairman), R. A. Moore, and Schmalz.

**Library Committee.** Professor McKeon (*ex officio*), Mr. Laughner (*ex officio*), Professors Aitken, Chickering (Secretary), Hawkins, Ratté (Chairman), Silver, and White.

**Lucius Eastman Committee.** Professors Cody (Chairman), Dempsey, and Guttman.

# Fellows

**Gary Robert Ahlskog, '67.** *Amherst Memorial Fellow in Theology.* Yale University.

**Robert James Beattie, '67.** *Henry P. Field Fellow in History.* University of Rochester.

**Philip Davis Beaumont, '67.** *John Woodruff Simpson Fellow in Law.* Columbia Law School.

**Donald Ernest Bertrand, '67.** *John Woodruff Simpson Fellow in Law.* Yale Law School.

**Trevor George Bryan, '67.** *John Woodruff Simpson Fellow in Law.* Harvard Law School.

**Douglas Reese Cole, '67.** *John Woodruff Simpson Fellow in Medicine.* Yale Medical School.

**Jacques Cook, '67.** *Amherst Memorial Fellow in International Affairs.* Johns Hopkins University.

**James Starke Dittmar, '66.** *John Woodruff Simpson Fellow in Law.* Harvard Law School.

**Wayne Winters Donner, '67.** *Edward Hitchcock Fellow in Physical Education.* University of Massachusetts.

**David Lee Duffy, '67.** *John Woodruff Simpson Fellow in Medicine.* Harvard Medical School.

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**William Alan Fischel, '67.** *Amherst Memorial Fellow in Economics.* University of Michigan.

**Robert Thomas Forrester, '67.** *Forris Jewett Moore Fellow in Literature and Aesthetics.* Columbia University.

**Michael Charles Gallant, '67.** *John Woodruff Simpson Fellow in Medicine.* Yale Medical School.

**Jonathan Charles Huberth, '66.** *Edward Poole Lay Fellow in Dramatic Arts and the Roland Wood Fellow in Dramatic Arts.* Yale School of Drama.

**Glen Roger Johnson, '67.** *George Stebbins Moses Memorial Fellow in Theology.* Harvard Divinity School.

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**Shigenari Kawashima**, '67. *John Woodruff Simpson Fellow in History and Forris Jewett Moore Fellow in History*. American School of Classical Studies, Athens.

**Jidlaph Citau Kamoche**, '67. *Forris Jewett Moore Fellow in History*. University of Massachusetts.

**Alan Harvey Kaufman**, '67. *John Woodruff Simpson Fellow in Law and Charles B. Rugg Fellow in Law*. Harvard Law School.

**Christopher Lee Kaufman**, '67. *George A. Plimpton Fellow in Law*. Harvard Law School.

**Dai-Young Kim**, '66. *Amherst Memorial Fellow in Mathematical Statistics*. Stanford University.

**Gordon Avery Lake**, '67. *John Woodruff Simpson Fellow in Medicine*. Western Reserve Medical School.

**Samuel Edmond Lipskin**, '66. *Edward Poole Lay Fellow in Music*. Yale School of Music.

**Stuart Frederic Liss**, '67. *John Woodruff Simpson Fellow in Law*. Columbia Law School.

**Laurence Sam Lustgarten**, '67. *Amherst Memorial Fellow in International Relations and Roswell Dwight Hitchcock Memorial Fellow in International Relations*. London School of Economics.

**Hugh Peter McGrath**, '66. *Benjamin Goodall Symon, Jr. Memorial Fellow in Theology*. The Divinity School of the University of Chicago.

**George Neal McNeil**, '67. *John Woodruff Simpson Fellow in Medicine*. Columbia College of Physicians and Surgeons.

**Edwin George Minkley, Jr.**, '67. *Forris Jewett Moore Fellow in Chemistry*. Harvard University.

**Warren Roger Muir**, '67. *Forris Jewett Moore Fellow in Chemistry*. Northwestern University.

**George Harlan Nash, III**, '67. *Forris Jewett Moore Fellow in History and George A. Plimpton Fellow in History*. Harvard University.

**Sadaichiro Okajima**, '67. *Amherst Memorial Fellow in International Relations*. Columbia University.

**Thomas John Ostwald**, '67. *Amherst Memorial Fellow in Bio-physics*. University of California, Berkeley.

**James Christopher Parel**, '66. *Roswell Dwight Hitchcock Memorial Fellow in Economics and Far Eastern Studies*. Harvard University.

## FELLOWS

**John Gregory Prentiss, '67.** *Edward Poole Lay Fellow in Dramatic Arts.* New York University.

**Eric Alan Reiner, '66.** *Forris Jewett Moore Fellow in Philosophy.* Oxford University, England.

**Jerald Van Reneau, '67.** *Rufus B. Kellogg University Fellow in English.* Christ's College, Cambridge, England.

**Winslow Smith Rogers, '66.** *Henry P. Field Fellow in English Literature.* Harvard University.

**Myron Chester Rokoszak, '66.** *Amherst Memorial Fellow in Physical Education.* University of Massachusetts.

**Jawed Saeed Savul, '66.** *Amherst Memorial Fellow in Business Administration.* Stanford Graduate School of Business.

**Robert George Schwemm, '67.** *John Woodruff Simpson Fellow in Law.* Harvard Law School.

**Steven Scott Searl, '67.** *John Woodruff Simpson Fellow in Medicine.* Columbia College of Physicians and Surgeons.

**James Arthur Senefelder, '67.** *John Woodruff Simpson Fellow in Law.* Washington University School of Law.

**Gerry Gale Simons, '67.** *Amherst Memorial Fellow in International Relations.* London School of Economics.

**Paul Hamilton Sweeney, '67.** *John Woodruff Simpson Fellow in Law.* Georgetown University Law School.

**Thomas Kevin Wade, '67.** *Amherst Memorial Fellow in Architecture.* Harvard University.

**Joseph Burt Weissberg, '67.** *John Woodruff Simpson Fellow in Medicine.* University of Pennsylvania School of Medicine.

**Robert John Winter, '67.** *John Woodruff Simpson Fellow in Medicine.* Northwestern University Medical School.

# Officers of Administration

**Calvin Hastings Plimpton**, *President of the College*. B.A. (1939) Amherst College; M.D. (1943), M.A. (1947) Harvard University; Med. Sc.D. (1951) Columbia University; LL.D. (1960) Williams College; LL.D. (1961) Wesleyan University; Sc.D. (1962) Rockford College; LL.D. (1962) Doshisha University; L.H.D. (1962) University of Massachusetts; Sc.D. (1963) Saint Mary's College; LL.D. (1963) St. Lawrence University; Litt.D. (1965) American International College; Sc.D. (1966) Trinity College; Sc.D. (1967) Grinnell College.

**Prosser Gifford**, *Dean of the Faculty*. B.A. (1951) Yale University; B.A. (1953) Merton College, Oxford University; LL.B. (1956) Harvard Law School; Ph.D. (1964) Yale University.

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**Eugene Smith Wilson**, *Dean of Admission*. B.A. (1929) Amherst College.

**Cortland Van Rensselaer Halsey**, *Associate Dean of Admission*. B.A. (1950) Rutgers University; M.A. (1952) University of Rhode Island; Ph.D. (1956) University of Pennsylvania.

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**John Lewis Callahan, Jr.**, *Director of Development*. B.A. (1955) Dartmouth College.

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**Horace Wilson Hewlett**, *Secretary of the College and Director of Publications*. B.A. (1936) Amherst College; M.A. (1941) Yale University.

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**Arthur Davenport**, *Fraternity Business Manager and Director of Faculty Housing*. B.A. (1932) Amherst College.

**Sydney Dakin Chamberlain**, *Director of Vocational Guidance*. B.A. (1914) Amherst College.

**Lewis Seymour Mudge**, *Minister to the College*. B.A. (1951), B.D. (1955), Ph.D. (1961) Princeton University; B.A. (1954), M.A. (1958) Oxford University.

**Otis Cary**, *Director of Amherst House, Doshisha University*. B.A. (1946) Amherst College; M.A. (1951) Yale University.

**Robert Herman Heidrich**, *College Engineer and Superintendent of Buildings and Grounds*. A.E.E. (1927) Newark College of Engineering; P.E. (1945) New York University; M.A. (hon. 1962) Amherst College.

**Walter Charles Markert**, *Assistant Superintendent of Buildings & Grounds*. B.S. (1931) Springfield College.

**Gordon Benjamin Bridges**, *Director of Dining Halls and Director of Personnel*. M.A. (hon. 1954) Amherst College.

**Ellsworth Elliott Richardson**, *Director of Intercollegiate Athletics*. B.A. (1927), M.A. (1932) Amherst College.

**Haskell Robert Coplin**, *Student Counselor*. B.A. (1947), M.A. (1948), Ph.D. (1951) University of Michigan.

**Stephen Brown**, *College Physician*. B.A. (1928) Amherst College; M.D. (1932) Yale University.

**Oscar Donald Chrisman**, *Associate College Physician*. B.A. (1938), M.D. (1942) Harvard University.

AMHERST COLLEGE  
MEAD ART BUILDING

Charles Hill Morgan, PH.D., *Director*  
Charles Ensign Rogers, M.A., *Assistant Director*  
Margaret Cecilia Toole, B.A., *Curator*

ADVISORY COMMITTEE ON ACQUISITIONS

Louisa Dresser, B.A.  
*Curator, Worcester Art Museum, Worcester, Massachusetts*

Charles Hill Morgan, PH.D., L.H.D.  
*Professor of Fine Arts on the William R. Mead Foundation,  
Amherst, Massachusetts*

Daniel Catton Rich, PH.D.  
*Director, Worcester Art Museum, Worcester, Massachusetts*

Charles Henry Sawyer, M.A., L.H.D.  
*Professor of Fine Arts, University of Michigan,  
Ann Arbor, Michigan*

Calvin Hastings Plimpton, M.D., LL.D.  
*President of the College, ex officio, Amherst, Massachusetts*

Roy R. Neuberger  
*President, American Federation of Arts, New York, New York*

Philip Hofer  
*Curator, Dept. of Printing and Graphic Arts, Harvard University,  
Cambridge, Massachusetts*

A. M. Adler  
*Director, Hirschl and Adler Galleries, New York, New York*

THE ROBERT FROST LIBRARY

Newton Felch McKeon, B.A., *Director*  
Charles Theodore Laughner, PH.D., *Associate Director*  
Ebenezer Porter Dickinson, M.A. (hon.), *Reference Librarian*  
Floyd Samuel Merritt, M.A., S.M., *Assistant Reference Librarian*  
Gertrude B. Weir, B.A., S.M., *Head of Circulation*  
Ruth Marie Erit, B.A., *Order Librarian*  
Cynthia Furneaux Tucker, B.S., *Chief Cataloguer*  
Elinor Richards, B.A., A.M.L.S., *Assistant Cataloguer*  
J. Richard Phillips, B.A., *Special Collections Librarian*



## ADMINISTRATION

### EDWARD HITCHCOCK MEMORIAL ROOM

Rena Mary Durkan, *Curatrix Emerita*

### KIRBY MEMORIAL THEATER

Walter Leroy Boughton, M.F.A., *Director*

Charles Ensign Rogers, M.A., *Designer*

Ralph Cleland McGoun, Jr., M.A., *Technical Director*

### THE PRATT MUSEUM OF GEOLOGY

Richard Martin Foose, PH.D., *Curator*

Albert Elmer Wood, PH.D., *Associate Curator*

Gerald Patrick Brophy, PH.D., *Associate Curator*

### COMPUTER CENTER

George B. Dunnington, B.S., *Manager*

Clela B. Reeves, B.A., M.A., *Programmer/Analyst*

Henry P. Cybulski, *Programmer/Analyst*

### AMHERST COLLEGE WILDLIFE SANCTUARY

Walter Charles Markert, B.S., *Director*

### MABEL LOOMIS TODD FOREST

Lincoln Pierson Brower, PH.D., *Curator*

### RELIGIOUS ADVISORS

The Rev. Lewis S. Mudge, B.D., PH.D.  
*Minister to the Collège*

The Rev. James Clark, B.D.  
*Advisor to Protestant Students*

The Rev. Richmond K. Greene, B.D.  
*Advisor to Protestant Students*

The Rt. Rev. Monsig. David J. Power  
*Advisor to Roman Catholic Students*

AMHERST COLLEGE

The Rev. J. Joseph Quigley  
*Advisor to Roman Catholic Students*

Rabbi Yechiael Lander  
*Advisor to Jewish Students*

STUDENT HEALTH SERVICE

Mary Margaret Barowski, R.N.  
*Supervisor of Student Health Office*

Marjorie Ruth Crossman, R.N.  
*Assistant Supervisor of Student Health Office*

Helen Bolt Stimson, R.N.  
*Supervisor of the Infirmary*

ADVISOR ON CHARITABLE FUND AWARDS

Frank Learoyd Boyden, SC.D., PD.D., LITT.D., L.H.D., LL.D.

FIVE-COLLEGES INCORPORATED

North Burn, PH.D., *Five-College Co-ordinator*

Professor William E. Kennick, *Amherst College Deputy*

# II

AMHERST COLLEGE

ADMISSION

REGULATIONS

TUITION AND FEES

FINANCIAL AID

DEGREE REQUIREMENTS

INTELLECTUAL RESPONSIBILITY



# Amherst College

AMHERST was founded in 1821 as an independent liberal arts college for "the education of indigent young men of piety and talents for the Christian ministry." It has never been connected, however, with any church or sect. Its charter, granted by the Commonwealth of Massachusetts in 1825, bans tests of religion in choosing students and teachers.

Among Amherst's founders were Noah Webster, the lexicographer, and Samuel Fowler Dickinson, grandfather of the poet Emily. The College received its initial support from many residents of the town from which it takes its name. (The town, which was incorporated in 1759, was named for General Jeffery Amherst, then Commander-in-chief of British forces in the New World and protector of the colonies in the French and Indian War.) The College has enjoyed a long and close association with the community, particularly with such poets and writers as Emily Dickinson, Helen Hunt Jackson, David Grayson (Ray Stannard Baker), and Robert Frost.

The campus is situated on a hill adjacent to the central town common. The surrounding area is characterized by apple orchards and tobacco farms lying on the flat, fertile land of the Connecticut River Valley and by ranges of hills to the south and east. Nearby are towns and places whose names recall another age in the life of New England: Deerfield and Bloody Brook, Pelham and Daniel Shays Highway, Northampton and Jonathan Edwards' Church. A few miles away are three other institutions of higher learning: Smith and Mount Holyoke Colleges and the University of Massachusetts with which Amherst engages in a number of cooperative educational ventures. (These are described on page 52.) A fifth institution, Hampshire College, equidistant from the existing four from which it will receive advice and assistance, is being planned and is expected to open in 1970.

The College offers the bachelor of arts—and occasionally the master of arts—degree. It is concerned with study in the humanities, the social sciences, and the natural sciences and attempts to combine a broad education with knowledge of some field in depth. A new curriculum, adopted in the fall of 1966, introduces three one-semester interdepartmental courses (called Problems of Inquiry), and provides considerable flexibility in the selection of each student's program. Freshmen may select a major field of study on entrance; exceptionally qualified students may satisfy graduation requirements in three years; some may engage in independent study free of formal courses in their junior and senior years; honors work—the intensive consideration of a limited subject—is encouraged.

Whatever the form of academic experience—lecture course, seminar, conference, studio, laboratory, independent study at various levels—intellectual competence and awareness of problems and methods are the goal

## AMHERST COLLEGE

of the Amherst program, rather than the direct preparation for some profession. The new curriculum enables students to arrange programs for their own educational needs within established requirements. To assist undergraduates in their course selections a faculty Board of Advisors, representing all academic departments, has been created. Members of this Board provide such counsel as is requested, but the ultimate responsibility for a thoughtful program of study rests with the individual student.

All students subscribe to an honor code which makes them responsible for the intellectual integrity of their work. This is described on page 55.

A statement of graduation requirements and programs of study begins on page 48. A more detailed description of the curriculum may be obtained from the Office of Admission.

The College's faculty is engaged in two primary activities: first, the education of undergraduates, and, second, research and writing. Its 157 members hold degrees from colleges and universities throughout this country and abroad. Classes range in size from a lecture course of 150 to several courses of only two students; about 80 percent of the classes and sections have twenty-five students or less.

Amherst is equipped with considerable physical resources: a library of some 350,000 volumes, science laboratories, theater, gymnasium, swimming pool, skating rink, squash and tennis courts, playing fields, a museum of fine arts and another of natural sciences, a central dining hall where all students eat, dormitories, language laboratory, and classroom buildings. There are a wildlife sanctuary and a forest for the study of ecology, an observatory and planetarium, a computer center, and varied equipment for specialized scientific research. At Amherst, and at its neighboring institutions, there are extensive offerings of lectures, concerts, plays, films, and many other events. The College's endowment is approximately \$75 million.

In the last few years Amherst has increased its enrollment from 1,000 to approximately 1,200 students. To accommodate these additional undergraduates and to provide improved facilities the College has recently completed a new dining hall, five new dormitories, and the Robert Frost Library. New buildings for science and music are under construction and an auditorium and expanded athletic facilities are being planned.

Amherst has a full program of intercollegiate athletics in most sports. Every freshman and sophomore is required to take part in a program of physical education to improve his fitness and allow him to participate in team and recreational sports. In addition, about 90 percent of the students participate in an organized program of intramural athletics.

Undergraduates may also take part in a variety of other extra-curricular activities: journalism, publishing, broadcasting, music, dramatics, and a wide assortment of specialized interests. Religious groups, working independently or through the Minister to the College and religious advisors, maintain a program of worship services, Bible study, community service projects, and other activities.



## AMHERST COLLEGE

Most Amherst students join one of the thirteen social fraternities at the end of their freshman year. These organizations provide housing for many of their members and are the focus of social life after the first year. Freshmen live in four central dormitories and arrange their own social activities. Since 1946 the fraternities have selected their members without consideration of race or religion, and since 1951 every student who has wanted to join a fraternity has had the opportunity to do so.

As the campus has grown so has the College's involvement with the world. In 1821 most students came to Amherst from nearby towns intending to become ministers or missionaries. Facilities were simple; for three years South College was Amherst's only building, housing dormitory, library, and classrooms. Today students come from most of the fifty states and many foreign countries and bring with them backgrounds and interests far different from those of the "indigent young men of piety and talents" who preceded them nearly a century and a half ago.

Instruction still adheres to the liberal arts and sciences, but world forces are now felt in the classroom and out. Modern transportation and communication have changed what was once a sleepy little New England village into a growing center of activity and concern. Involvement in research or in social and economic issues takes some students to many parts of the country and abroad—as it does most of their teachers as well. Civil rights issues and national policies have an impact on the campus that would have been unimaginable even a generation ago. Graduates for the most part continue their formal education to become teachers, physicians, lawyers, and businessmen. At Amherst, hopefully, they will have only begun their education at "commencement," but will have developed attitudes and values that will encourage them to participate thoughtfully and generously in the service of mankind.

## FIVE COLLEGE COOPERATION

Amherst has an arrangement with Mount Holyoke College, Smith College, Hampshire College and the University of Massachusetts by which any of their regular courses is, under special circumstances, open to Amherst students. See page 52 for further information.

The oldest cooperative venture is the Hampshire Inter-Library Center (HILC) located now in the Goodell Library at the University. HILC, a separate legal entity, is a depository for research materials and learned journals which are beyond the reach of any of the four libraries operating independently. An FM radio station (WFCR, 88.5 mc.) is run cooperatively through the Western Massachusetts Broadcasting Council composed of representatives of the four institutions. Other cooperative activities include a joint Astronomy Department; courses in the History of Science and in Asian-African studies; a Ph.D. program; a Film Center; a common calendar of

## AMHERST COLLEGE

events; a committee on transportation; an Office for Teaching Assistance; and a Coordinator for cooperative projects.

NORTH BURN, PH.D., *Coordinator*

## PRESIDENTS OF AMHERST COLLEGE

1821-1823	Rev. Zephaniah Swift Moore, D.D.
1823-1845	Rev. Heman Humphrey, D.D.
1845-1854	Rev. Edward Hitchcock, D.D., LL.D.
1854-1876	Rev. William Augustus Stearns, D.D., LL.D.
1876-1890	Rev. Julius Hawley Seelye, D.D., LL.D.
1890-1899	Merrill Edwards Gates, PH.D., LL.D., L.H.D.
1899-1912	Rev. George Harris, D.D., LL.D.
1912-1924	Alexander Meiklejohn, PH.D., LL.D.
1924-1927	George Daniel Olds, LL.D.
1927-1932	Arthur Stanley Pease, PH.D., LL.D.
1932-1946	Stanley King, LL.D.
1946-1960	Charles Woolsey Cole, PH.D., L.H.D., SC.D., LITT.D., LL.D.
1960-	Calvin Hastings Plimpton, M.D., SC.D., D.M.S., L.H.D., LITT.D., LL.D.

## The Folger Shakespeare Library

BY THE will of the late Henry Clay Folger of the Class of 1879, there was bequeathed to the Trustees of Amherst College the Folger Shakespeare Library in Washington, D.C., together with an endowment for maintenance, later increased by the generosity of Mrs. Folger.

The building, located on East Capitol Street directly east of the Library of Congress, was erected at a cost of more than \$2,000,000. Its endowment now stands at about \$28,000,000, and its collections are valued at about \$3,200,000. On the Library's main floor are: an Exhibition Gallery with displays of rare books, manuscripts, paintings, and miscellaneous curios and works of art; an Auditorium in the form of a reproduction of the interior of an Elizabethan playhouse; a large Reading Room, representing a Tudor Banqueting Hall and hung with early tapestries; four Vaults, containing the rarest portions of the collections; a Reception Room for social purposes; and Administration Offices. On the second floor are the working rooms of the Library's Accessions Department, the Catalogue Department, and offices for members of the staff. A Photographic Department is in the basement. Reading machines for microfilm are found in the stacks.

The Library concentrated its original collection largely upon the life, writ-



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ings, and influence of William Shakespeare, but during the past two decades it has increased its rare books and manuscripts in related fields until today it has one of the largest collections in the world for the study of British history of the sixteenth and seventeenth centuries. Only the British Museum has a larger collection of early English books.

Under the plan of the Trustees of the College, in addition to maintaining its traditional interest in Shakespeare and English Renaissance literature, the Library is exploiting other fields as well. Efforts are made to expand it as an efficient laboratory of research and investigation. Aid and encouragement are given literary and historical scholars capable of making the most significant use of the Library's great collection of source materials. The Library has also developed reference collections which scholars require for the efficient utilization of rare books and manuscripts.

Research facilities of the Library are not open to casual visitors, but permission to use them may be obtained by qualified scholars upon application to the Director. Interested individuals and groups are cordially invited to visit the Folger's Exhibition Gallery.

### FOLGER LIBRARY OFFICERS

Louis Booker Wright, PH.D., LITT.D., L.H.D., LL.D., *Director*

Philip A. Knachel, M.S.L.S., PH.D., *Assistant Director*

Giles Edwin Dawson, PH.D., *Curator of Books and Manuscripts*

James G. McManaway, PH.D., LITT.D., *Consultant in Literature and Bibliography*

Virginia A. Lamar, *Executive Secretary*

Eleanor Pitcher, *Assistant to the Director*

Dorothy E. Mason, B.A., M.A., *Reference Librarian*

Lilly C. Stone, B.A., *Chief Cataloguer*

Elaine Fowler, B.A., *Reading Room Supervisor*

## Doshisha University

DOSHISHA UNIVERSITY in Kyoto, Japan, was founded by Joseph Hardy Neesima, of the Class of 1870, the first Japanese to graduate from a Western institution of higher learning. Amherst has maintained a continuing and close relationship with Doshisha. More than twenty-five Amherst graduates have taught there, and, since 1922, Amherst has maintained a resident instructor at the Japanese university. Amherst House, a New England Georgian style residence, was built on the Doshisha campus in 1932 as a

## AMHERST COLLEGE

memorial to Neesima. It houses some twenty Doshisha students and serves as a center for cultural exchange between students and faculty from East and West.

Since World War II, Amherst has maintained a member of its own faculty for permanent service at Doshisha as a Professor in Residence and Director of Amherst House. Recently he has been aided by an Amherst-Doshisha Fellow on a yearly assignment. In 1962 the College, through the further generosity of friends and alumni, was enabled to build a new guest house of modern Japanese design which affords quarters for the director, well-appointed guest suites, and dining facilities to enhance the possibilities of exchange across cultural barriers. As the importance of Eastern ideas and Asian cultures gains increasing recognition, Amherst House is able to provide unique facilities and a sympathetic environment for scholars visiting Kyoto—for a thousand years the capital of Japan and still the center of traditional Japanese culture.

# Admission

ADMISSION to Amherst College is competitive. The College attempts to select those applicants who seem qualified to benefit from the educational opportunities offered. The Committee on Admission, in judging the qualifications of applicants, pays particular attention to (1) academic achievements; (2) results of the College Entrance Examination Board scholastic aptitude and achievement tests; (3) the recommendation of the college counselor; (4) evidence of curiosity, industry, and resolution; (5) the character, health, and extra-curricular interests and achievements of the applicant. All freshmen admitted are candidates for the Bachelor of Arts degree.

## HOW AND WHEN TO APPLY FOR ADMISSION

Applications should be filed in senior year between September 1 and March 1. Under special circumstances later applications may be considered. Decisions of the Committee on Admission will be mailed to candidates about mid-April.

Students with exceptional ability and maturity who have outrun the educational opportunities of their communities may apply for admission after three years of secondary school.

Amherst has an Early Decision Program for students who have selected Amherst as the college of their choice. Details are available with the application form.

Beginning students may enter only in September.

Scholarship applicants should refer to pages 45-47.

The formal application should be accompanied by a check or money order for \$10.00 made payable to the *Trustees of Amherst College*. This application fee will not be refunded if the student withdraws his application or if his application is not acted upon favorably.

*Correspondence regarding admission to the freshman class should be addressed to the Dean of Admission, Amherst College, Amherst, Massachusetts.*

## INTERVIEW HOURS

The Admission Office is open weekdays from 8:30 A.M. until 12:00 noon and 1:30 P.M. until 4:00 P.M. and on Saturdays from 8:30 A.M. until 12:00 noon, but through the summer months and until Labor Day, the Admission Office (and all administrative offices) will be closed on Saturdays. Where possible, applicants for admission are advised to visit the College and discuss their educational plans with an admission officer. Interviews are not

## AMHERST COLLEGE

required, however. It is advisable to write for an appointment with an admission officer if you plan to visit the College.

### RECOMMENDED PREPARATION

The following minimum program of studies is recommended for students planning to enter Amherst College:

English	4 years
Mathematics	3 years
Foreign Language	2 years (3 or 4 years of one preferred)
History	1 year
Laboratory Science	1 year

It should be noted that the College stresses sound preparation in certain subjects which are important implements for the many branches of college work. English, mathematics (intermediate mathematics, emphasizing basic algebraic, geometric, and trigonometric concepts and deductive reasoning), and foreign language (ancient or modern or both) are the subjects in which entering students should show proficiency.

For graduation Amherst College requires competence (oral and written) in a foreign language, ancient or modern. For definition of competence see page 50. The phrase "satisfactory score" means 600 in the College Entrance Examination Board achievement tests.

In selecting a class, some preference is given to candidates who present the following programs in foreign language in the following order:

*First preference:* four years of one language;

*Second preference:* three years of one language;

*Third preference:* two years each of two languages.

Candidates who apply from secondary schools which offer little or no language instruction will be judged by their other intellectual aptitudes and achievements and their readiness for the Amherst curriculum. Amherst College recommends, where possible, that a student continue to study the language he begins in secondary school through completion of the college requirement.

Students with particular interests may wish to modify the suggested program by taking more work in certain subjects and less in others. Such modification is wholly acceptable, provided there is evidence of adequate preparation in the basic fields of English, mathematics, and foreign language. Any deviation should be discussed in advance with the Dean of Admission.

### ADVANCED PLACEMENT

In certain subjects, candidates who have completed advanced work in secondary schools may apply for advanced placement at Amherst. Each case

## ADMISSION

will be considered individually on its own merits. Candidates interested in Advanced Placement are urged to take the Advanced Placement Tests given by the College Entrance Examination Board. Questions about Advanced Placement should be directed to the *Dean of Admission*. For further information candidates should consult the Advanced Placement booklet in their secondary school guidance office.

## COLLEGE BOARD TESTS

All applicants are required to take the Scholastic Aptitude tests and three Achievement tests, of which one shall be either the English Achievement Test or the Writing Sample and these tests must be taken no later than the January series. Inasmuch as the registration deadline for the College Board tests is approximately one month prior to the test date, applicants should arrange to take these examinations as soon as possible with the Secretary of the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540. Students living in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Alaska, or Hawaii should register with the Secretary of the College Entrance Examination Board, Box 1025, Berkeley, California 94701.

Amherst requires competency in a foreign language (ancient or modern) for graduation from college. The requirement may be met by entering students who have made a score of 600 on a Language Achievement Test plus, in modern languages, a similar score on the Listening Comprehension Test. This test is given only once a year in February, and your counselor must make special arrangements for it with the Educational Testing Service.

Applicants who are studying a foreign language in senior year and who have not achieved a 600 in the CEEB Achievement test should retake the test in January, March, or May, and the February Listening Comprehension Test in modern languages.

Applicants in military service whose location makes examinations impossible are exempt from CEEB tests.

**Regents Examinations.** Applicants from the New York State public schools are expected to submit scores made on the Regents Examination in addition to the scholastic aptitude and achievement tests given by the College Entrance Examination Board.

## ADMISSION AS A TRANSFER

To be eligible for consideration as a transfer a candidate must meet the following requirements:

1. His credits must satisfy the full entrance requirements of Amherst College.
2. He must have completed creditably the work of at least one year in



## AMHERST COLLEGE

an institution of collegiate rank or two years in a junior or community college.

3. He must present a statement of honorable dismissal.

4. He must file a formal application for admission by transfer.

Candidates for admission by transfer are usually admitted in September.

Candidates should note that, in general, only students with a B average or better will be considered for admission as transfers.

Special consideration is given applicants from junior or community colleges who have made distinguished academic records.

Some financial aid is available for transfer students.

*Correspondence concerning admission of transfers should be addressed to the Dean of Admission.*

## COOPERATIVE ENGINEERING-SCIENCE PROGRAM

In order to facilitate the combination of a liberal arts course with education in science and engineering, Amherst College will permit a student of high standing to pursue a five-year program in which the first three years will be spent at Amherst College and the last two years at the Massachusetts Institute of Technology, or any other engineering school approved by the Dean of the College, with the understanding that if the five-year program is satisfactorily completed the student will receive the degree of Bachelor of Arts from Amherst College and the degree of Bachelor of Science from the engineering school.

# Regulations

## TERMS AND VACATIONS

The college year 1967-68 includes two regular semesters with fourteen weeks of classes each semester. In the fall semester there are a Thanksgiving recess of approximately five days and a Christmas vacation of two weeks; in the spring semester there is a vacation of two weeks.

All official college vacations and holidays are announced on the College Calendar appearing on page v. of this catalog.

## ATTENDANCE AT COLLEGE EXERCISES

It is assumed that students will make the most of the educational opportunities available by regularly attending classes and laboratory periods. At the beginning of the semester, each instructor is free to state his policy with regard to absences in his course. Thereafter, he may take such action as he deems appropriate, or report to the Dean of Students the name of any student who disregards the regulations announced.

The Registrar will send to faculty members a list of students who have been absent for athletic trips or other extra-curricular activities, and a list of students who have been in the Infirmary. Students are asked to notify the Office of the Dean of Students if they have been delayed at home by illness or family emergencies. They are also requested to report any unusual or unexplained absence from the College on the part of any fellow student.

If a student has been attended at home by a physician other than one of the Student Health Office staff, he should, on the day of his return, report the absence to the Office of the Dean of Students and submit a statement concerning his illness and any recommended treatment to the Student Health Office. Students who are ill at College will normally be attended at the Infirmary or the Student Health Office. It is assumed that all students not admitted to the Infirmary or excused by the attending physician are well enough to attend their regular classes.

The responsibility for any work missed due to an illness or other absence rests entirely upon the student.

Assemblies are conducted Monday and Tuesday at 8:40 A.M., and Wednesday and Thursday at 6:50 P.M.

Students are required to attend one third of these Assemblies each semester. Any claim that an error has been made by the monitor must be presented to the Registrar within fourteen days of the time of the alleged error.

A minimum of three hours a week of physical exercise is required of all freshmen and sophomores throughout the college year. More than six absences during a given semester will lead to a deficiency in meeting the require-

## AMHERST COLLEGE

ment for that semester. Such a deficiency must be made up at the earliest possible time and no later than the end of the first semester of the junior year. A fee of \$30.00 is charged for an extra semester.

## STUDENT CONDUCT

It is the belief of Amherst College that its students want to take responsibility for setting, maintaining, and supporting moral and intellectual standards. With this in mind, the College has adopted an honor code. In a social and moral sense this honor code means the support of those standards which befit the conduct of a gentleman and which will reflect credit on the College, its students, and its guests.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as unsatisfactory; in such cases fees will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

## RECORDS AND REPORTS

Grades in courses are reported in three categories:

Honor Grades = A+, A, A—, B+, B, B—

Passing Grades = C, D.

Failing Grade = F

Term averages and cumulative averages are reported on a 14-point scale rounded to the nearer whole number. The conversion equivalents are: A+ = 14, A = 13, A— = 12; B+ = 11, B = 10, B— = 9; C = 7, D = 4; F = 1.

Grade reports for D and F grades only will be sent to students after the end of the seventh week of classes each semester. Parents of freshmen will also receive grade reports for D and F grades after the first seven weeks of each semester. Reports for all grades and averages will be sent at the end of each semester.

"Rank in class" will not be used, but transcripts and grade reports will be accompanied by a profile showing the distribution of cumulative averages for students of the same class level in the current and in the previous two years.

Student academic records are maintained by the Registrar's Office and are confidential; information is released only at the request of the student or of appropriate institutions. Students are advised that their records are made available to their secondary schools and to certain legitimate research agencies such as the National Registration Office. Partial transcripts are not issued; each transcript must include the student's complete record at Amherst College to date. An official transcript carries an authorized signature as well as the embossed seal of Amherst College.

## REGULATIONS

Transcripts of credit earned at other institutions, which have been presented to Amherst College for admission or transfer of credit, become a part of the student's permanent record and are not issued, reissued or copied for distribution. Grades for courses that were transferred from other institutions are not recorded; credit only is listed on the Amherst transcript. Transcripts for all academic work at other institutions of higher education should be requested directly from those institutions, including summer schools.

## EXAMINATIONS

Examinations are held at the end of each semester and at intervals in the year in all courses. At the end of each semester, final grades are reported and the record for the semester is closed. No extension of time is allowed for intra-term examinations and incomplete laboratory work beyond the date of the last scheduled class period of the semester, unless exception is granted by the Dean of Students. No extension for essays, themes, theses, and reports will be given beyond the last day of classes of the semester.

A student who is prevented by illness from attending a semester examination may be granted the privilege of a special examination by the Dean of Students, who will arrange the date of the examination with the instructor. There are no second or make-up semester examinations, unless a student is prevented by illness from taking such an examination at the scheduled time.

No semester examination may be taken before the scheduled time. A semester examination may be postponed only by approval of the Dean of Students.

## DELINQUENCIES

At the midpoint and end of each semester, the cases of all students whose work is unsatisfactory are brought before the Deans for consideration. Those who have clearly shown their unfitness for college work are dismissed from the College. Others whose records are unsatisfactory are placed on scholastic probation.

Students belonging to one or more of the following groups may not expect to continue at Amherst College:

- a. Those who in any semester are failing in two or more courses. Withdrawal from a course while failing it shall count as a failure.
- b. Those who in any semester fail a course and receive an average of less than 7 in courses passed.
- c. Those who in any semester pass all courses but receive an average of less than 6.
- d. Those who have been in Amherst three or more semesters and have an average of less than 6 in all courses taken at the College.
- e. Those who have accumulated delinquencies in three or more courses during their college careers.

## AMHERST COLLEGE

- f. Those who have been on probation and have failed to meet the conditions of their probation.

A student will be classified no higher than a sophomore until he has fulfilled the foreign language requirement.

A student who has failed a semester course in Physical Education must make up this delinquency at the earliest possible opportunity. No student will be permitted to take two courses in Physical Education in a single semester.

The College requires that each student be able to swim one hundred yards before graduation. Students who have not satisfied this requirement by the end of the second semester of the sophomore year will be reported as deficient in the second semester course in Physical Education until this test is passed.

No student may take courses in a summer school to make up a delinquency incurred at Amherst College unless his summer school courses are approved in advance by the Dean of Students. Similarly, Amherst College credit will not be given for courses taken in summer school unless approval is secured in advance from the Dean of Students.

The College does not grant credit for summer school courses completed with a grade below C.

## ROOMS AND BOARD

All students, unless specifically excused by the Dean, are required to live either in the dormitories of the College or in fraternity houses. Dormitory rooms are equipped with bed, mattress, pillow, chiffonier, desk, chairs, and bookcase or shelves. Occupants furnish their own blankets, linen, and towels, and may provide extra furnishings if they wish, such as rugs, curtains, lamps, etc.; they may not add beds, sofas, lounges, or other furniture of such nature except under certain circumstances. More complete regulations for dormitory occupancy are contained in the Student Handbook. Room assignments are noted on the invoice from the Comptroller's Office.

All students are required to eat in Valentine Hall unless excused by the Dean. There are no rebates for absence from meals.

*A complete description of the regulations of Amherst College on such matters as Dormitories, Motor Vehicles, Student Health, Eligibility Requirements, and other areas of student life are contained in the Student Handbook.*



# Tuition and Fees

A CANDIDATE'S formal application for admission should be accompanied by a \$10 application fee in check or money order payable to Amherst College. Upon notification of his admission to the College a candidate is required to return with his acceptance a non-refundable advance payment of \$100 which will be credited in full on his first term bill.

A bill for the comprehensive fee (tuition, room, and board) for the academic year is mailed to all students during the summer preceding the academic year. For 1967-68 the College charges are:

Comprehensive Fee (Tuition, Room, Board)	\$2,900.
Student Activities Fee	59.
Blue Cross-Blue Shield Student Health Plan	32.
	<hr/>
	\$2,991.

Beginning in September, 1968, the comprehensive fee will be \$3,200 for a total annual charge of approximately \$3,300.

A fee for the support of various activities of the student body is determined by the Student Council. This fee is collected by the College and turned over to the Director of Student Activities for expenditure under his supervision. For the year 1967-68 the fee has been set at \$59.00. For this fee each student receives a copy of the yearbook, the OLIO; a one year's subscription to the student newspaper and magazine; and contributes to the support of the college band, the Glee Club, the Prom, the Debate Council, the radio station, and includes class dues for each class, and the support of eighteen other activities of the student body which fall under the jurisdiction of the Student Council.

A charge of \$32.00 appears on the comprehensive bill for twelve months Accident and Sickness Insurance for the period September 1, 1967 through August 31, 1968. Details concerning the Student Health Office, the College Infirmary and Blue Cross-Blue Shield Student Health Plan appear in the Student Handbook.

Any anticipated financial aid such as scholarships, loans, The Insured Tuition Payment Plan payments, etc. should be deducted from the \$2,991 and the net balance due on or before September 11, 1967. However, one-half of this amount may be paid by September 11th and the balance on or before the opening day of the second semester, January 29, 1968.

Each new student, or former student reentering is charged a \$25 Guarantee Deposit refundable after he graduates or otherwise leaves college, less any unpaid charges against him.

Each Senior or candidate for M.A. degree is charged a degree fee of \$15 in his final semester.

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Miscellaneous charges such as fees for late registration, change of courses, extra courses, library fines, lost or damaged property, etc., are payable currently when incurred.

For delinquencies in Physical Education a charge of \$30 will be levied each semester following sophomore year until the delinquency is removed.

The \$100 advance payment collected from entering Freshmen at the time of acceptance will be credited on the first semester bill.

For those who wish the convenience of monthly payments, arrangements have been made for a pre-payment plan, including insurance for continued payment in case of death or disability of the parent. For further details write to The Insured Tuition Payment Plan, 38 Newberry Street, Boston, Massachusetts 02116.

Student identification cards will be issued by the Comptroller's Office upon payment of the college bill; these cards must be obtained before course cards may be picked up.

*The officer having general supervision of the collection of tuition and fees is the Comptroller.*

# Financial Aid

**I**N a sense, every student at Amherst College is on scholarship. Beginning in September, 1968, the comprehensive charge for tuition, room, board, and fees will be \$3,200, yet the education of each student costs the College more than \$7,000 per year. General endowment income, gifts, and grants to the College supply the difference.

For those students who cannot afford the regular charge, financial aid is available from a variety of sources. Through the years alumni and friends of the College have contributed or bequeathed capital funds whose income is to be used for scholarship aid to worthy students. These funds now amount to more than \$4,500,000. Some, such as those designated for candidates for the ministry or those for students from certain geographical areas, are restricted in use. For the most part, however, the income from these funds may be used at the discretion of the College.

Each year the alumni of the College through the Alumni Fund contribute a substantial sum for scholarship and financial aid purposes. Several Amherst Alumni Associations also provide special regional scholarships to students from their areas; such awards are currently sponsored by the Connecticut, Michigan, Northern Ohio, St. Louis and Washington (D.C.) Associations. Without these alumni contributions, the College could not maintain its present financial aid program.

Additional financial aid is available to Amherst students from sources outside the College. A number of foundations and corporations grant funds which the College distributes on the basis of high merit and financial need. Notable special scholarships are granted by the Alfred P. Sloan Foundation, the General Motors Corporation, the Procter and Gamble Corporation, the Agnes M. Lindsay Trust, the Edwin Gould Foundation for Children, the Allied Chemical Corporation, and the Gilbert H. Grosvenor Memorial Fund. The College also participates in the National Defense Student Loan Program and the Educational Opportunities programs of the federal government.

Amherst College has a broad financial aid program in which scholarship grants, loans and student employment all play an important part. About one third of the students receive financial aid. Awards range from \$200 to \$3,300.

*The officer directly in charge of the administration of financial aid is Dean Routh.*

## FINANCIAL AID POLICY AND PROCEDURE

The College grants financial aid primarily on the basis of demonstrated financial need, but a student's character and academic performance and

## AMHERST COLLEGE

promise are important factors. A student's financial need is calculated by subtracting from his probable college year expenses the amount which he and his family may reasonably be expected to supply. His college year expenses include tuition, room, board, fees, transportation, a sum of \$500 for books and personal expenses, and fraternity fees for upperclassmen. The family contribution is computed in accordance with the standard procedures of the College Scholarship Service. The college assumes further that each student will assist in financing his education through summer employment and part-time jobs during the college year. Students who receive financial aid may not maintain personal motor vehicles in the Amherst and Hadley area without express permission from Dean Routh.

Financial aid awards are generally a combination of scholarship grant and educational loan. Under normal circumstances, after allowance has been made for the family contribution and the student contribution from savings and summer employment, the initial \$500 of the applicant's demonstrated need will be met with a combination of college-year employment and long-term, low-interest loan and he may expect to receive gift aid to cover the balance of his need. These loans require no payment of interest or principal before graduation from Amherst or graduate school, or until completion of military, Peace Corps or VISTA service, whichever is latest. Thereafter, the loans are repayable on a monthly or quarterly basis within a ten-year period at a moderate rate of simple interest. Part of a student's loan may be forgiven if he enters certain low-paying professions of service.

Renewal of scholarship grants is not contingent upon acceptance of the loan portion; many students prefer to earn more money during the summer or at college so that no loan is needed. Students who are unable to meet the summer-earning expectation by reason of unusual or educational summer-time opportunities or who find it difficult to undertake campus employment may petition for an increase in loan to cover the difference. The size of the loan portion is also influenced by the overall performance of the student. Recipients of national scholarships and outside foundation awards are often not subject to these loan provisions.

## APPLYING FOR FINANCIAL AID

Financial aid candidates should file applications for financial aid at the same time they file their applications for admission. Both applications must be received by the Admissions Office before March 1 to be considered. An application for financial aid requires the submission of two forms: a Parents' Confidential Statement filled out by the parents, and a Freshman Financial Aid Application filled out by the candidate for admission. Candidates may obtain copies of the Parents' Confidential Statement from their secondary school guidance counselors or from the College Scholarship Service, Box 176, Princeton, New Jersey 08540, Box 881, Evanston, Illinois 60204, or Box



## FINANCIAL AID

1025, Berkeley, California 94701. Parents should send the completed form to the College Scholarship Service which will process it and forward the results to Amherst College for evaluation and final decision. Freshmen Financial Aid Applications may be obtained from the Office of the Dean of Admission by filling in the Preliminary Financial Aid Application Card which accompanies every application for admission. Applicants for financial aid need not take any special examinations other than those required for admission.

Undergraduates who desire renewal of their financial aid awards or who wish to apply for financial aid for the first time must file applications by April 20. Application entails submission of a Parents' Confidential Statement filled out by the parents and an Upperclass Financial Aid Application filled out by the student. Both forms may be obtained in Dean Routh's Office and both should be returned directly there. Upperclassmen will receive notification of their financial aid awards in July.

## TOWN SCHOLARSHIPS

The Trustees of the College have provided that entering students who, with their parents, have been residents of the Town of Amherst for three years prior to the time of admission may be granted free tuition. The grants are continued throughout the college course of these students, provided their college careers reflect satisfactory progress and their parents continue to live in Amherst. No more than twenty-four students may receive Town Tuition Scholarships at any one time.

## STUDENT LOAN FUND

Through the generosity of friends of the College, the Student Loan Fund has been established from which small short-term loans may be made to a few students who require funds to meet personal emergencies or other needs for which scholarship loans may not be obtained. In accordance with the conditions set by the donors, use of the Student Loan Fund is limited to students in good scholastic standing whose habits of expenditure are economical. The rate of interest is slightly higher and the repayment period shorter than for scholarship loans, but complete scholarship application procedure is not required. The Business Manager of the College administers the Student Loan Fund. Further information about it may be obtained from his office.

## ADDITIONAL FINANCIAL AID INFORMATION

A more detailed description of the financial aid program, *Costs and Financial Aid at Amherst College*, is available upon request from the Admission Office. Questions about the financial aid policy of Amherst College should be directed to Dean Routh.



# Degree Requirements

## BACHELOR OF ARTS

THE degree, Bachelor of Arts, is conferred upon students who have satisfactorily met the requirements described below. The plan of studies leading to this degree is arranged on the basis of the equivalent of an eight-semester course to be pursued by students in residence at Amherst College.

The degree, Bachelor of Arts, *cum laude*, *magna cum laude*, or *summa cum laude* (Degree with Honors) is awarded to students who have successfully completed an approved program of honors work with a department or group.

Other students who satisfactorily meet the requirements as indicated below receive the degree, Bachelor of Arts, *rite*.

### REQUIREMENTS

The Bachelor of Arts degree is awarded to students who:

1. Complete thirty-two full semester courses and four years of residence;\*
2. In freshman and sophomore years complete the three Problems of Inquiry courses;
3. Satisfy the distribution requirement (seven courses outside the major department) as specified below;
4. Satisfy the language proficiency requirement in French, German, Greek, Italian, Latin, Russian or Spanish as specified below;
5. Complete the requirements for a major in a department or a group of departments including the passing of a comprehensive examination as specified below;
6. Complete certain prescribed work in physical education;
7. Attain a general average of 6 in the courses completed at Amherst and a grade of at least 70 or C in every course completed at another institution. No student may have deficiencies in the work of any year.

Members of the classes of 1968 and 1969 will complete requirements 4 through 7 above. They may not elect Problems of Inquiry. They should take a normal program of four full courses during each of their remaining semesters.

\*A faculty vote specifies that a student with twenty-four courses and three years of residence may apply for graduation if all other requirements have been met. Conditions under which such a request would be granted are still under study. The four-year residence requirement has been abrogated in recent years only for transfer students, students participating in the M.I.T. program and students given special permission by the Dean of the Faculty to substitute up to one year of work at a university, usually foreign. Except for the M.I.T. program, residence is required at Amherst College during the senior year.

## DEGREE REQUIREMENTS

Members of the class of 1968 should have completed a total of four full courses outside of their major division during their third and fourth years.

Members of the class of 1969 will satisfy the extra-divisional requirement by taking during their sophomore year one two-course sequence in two of the three divisions of the curriculum and one course in the other division. A course or sequence of courses taken in the department of the student's major, if he has elected one, may be used to help satisfy this requirement.

## COURSE REQUIREMENTS

All students except Independent Scholars are required to elect four full courses each semester and may elect an additional half course. The election of a half course in addition to the normal program is at the discretion of the student and without special permission. No student may elect more than one half course in any semester except by consent of the Dean of the Faculty and the Departments concerned. In such cases the student's program will be three full courses and two half courses. Under no circumstances except those specifically defined under the present rules will half courses be counted in fulfillment of the 32 course equivalence.

No student may elect five full courses, but with the consent of the instructor may audit a fifth course.

No student may add a course to his program after the tenth day of the semester.

No student may drop a course from his program after the tenth day of the semester without incurring a failure. Exceptions to this rule shall be made only for medical reasons, or reasons of grave personal emergency, and shall be made only by the Dean of Students.

A student who has not passed four full courses in any given semester must clarify his standing with the Dean of Students within seven days of his being notified of his deficiency. A student whose deficiency is attributable to a medical or other grave personal emergency may appeal to the Committee of Six, by application to its Secretary, for an abatement of the required number of thirty-two full courses for graduation.

A member of the classes of 1968 and 1969 will be eligible for graduation upon the completion of the equivalent of 31 full courses rather than the 32 courses now stipulated, assuming that he has remained a student in full standing for 8 semesters. One course failure or one course dropped with a failing grade will be permitted without makeup.

No student will be eligible for graduation with honors without fulfilling the standing requirement of passing the equivalent of 32 full courses unless he qualified for special exemption under the present provisions for exemption.

Beginning with the class of 1970 the full implications of the present definition of graduation requirements will apply.

## AMHERST COLLEGE

### DISTRIBUTION REQUIREMENT

In order to provide students with a breadth of experience outside of their fields of major interest, each department has prepared one or more two-course sequences and one or more three-course sequences designed to give an introduction to its concepts, methods and achievements. Students are required to take one two-course sequence in a field outside the major but within the same division as the major, one two-course sequence in one of the divisions outside that of the major and one three-course sequence in the other division outside that of the major. Both two-course sequences and at least two courses of the three-course sequence must be completed by the end of the sophomore year.

In foreign languages, only courses at the literary level may be used to satisfy the distribution requirement in the humanities division. Problems of Inquiry do not satisfy any distribution requirement. Advanced placement in a course of study does not satisfy any part of the distribution requirement in that division.

Divisions are defined as follows:

Division I, Humanities, includes Dramatic Arts, English, all foreign languages including Classics, Fine Arts, Music, Philosophy and Religion.

Division II, Social Sciences, includes American Studies, Anthropology, Economics, History, Legal Studies, Political Science and Psychology.

Division III, Mathematics and Natural Sciences, includes Astronomy, Biology, Biophysics, Chemistry, Geology, Mathematics and Physics.

### LANGUAGE REQUIREMENT

In modern languages the requirement may be met either:

1. At entrance by a satisfactory score in the College Entrance Examination Board achievement test in the language, plus a demonstration of ability to comprehend the spoken language as shown either by a satisfactory score in the listening comprehension test administered by the College Entrance Examination Board, or in an aural examination to be given to freshmen at the beginning of the college year; or

2. After entrance by passing course 5 in French, German or Spanish; or by passing course 12 in Italian or course 4 in Russian; or by passing reading and aural comprehension examinations to be given at the end of course 3 in French, German or Spanish.

In ancient languages the requirement may be met either:

1. At entrance by a satisfactory score in the College Entrance Examination Board achievement test in Greek or Latin, or

2. After entrance by passing Latin 3 with a grade of 6, by passing any higher numbered full course in Latin, or by passing Greek 11.

## DEGREE REQUIREMENTS

### THE MAJOR REQUIREMENT

A major normally consists of eight courses pursued under the direction of a department or special group. A major may begin in either the freshman or sophomore year and is normally declared by the beginning of the junior year. Students may change their major at any time provided that they will be able to complete the new program before graduation.

The major program can be devised in accordance with either of two plans:

Plan A: A student may complete the eight-course requirement within one department. He must complete at least six courses within one department, however, in which case he may take the remaining two courses in related fields approved by the department.

Plan B: Combinations of courses not provided for under Plan A, but similar in aim to the established group majors in American Studies and Biophysics, may be made with the consent of the several departments concerned and of the Dean of the Faculty.

### DEGREE WITH HONORS

The degree Bachelor of Arts with honors is awarded at graduation to students whose academic records give evidence of particular merit. It may be awarded *cum laude*, *magna cum laude*, or *summa cum laude*, according to the level of achievement of the candidates. All degrees with honors are noted on the diploma and the commencement program, and are announced in the annual catalog.

The award of honors is made by the Faculty of the College. In making such awards the Faculty will take into account the following factors: (1) Candidates must have a minimum college average of 9 to be eligible to be considered for the degree *cum laude*, of 11 for the degree *magna cum laude*, and of 12 for the degree *summa cum laude*. (2) Candidates must receive the recommendations for the degree *cum laude*, *magna cum laude*, or *summa cum laude* from the department in which they have done their major work. Each department will define the conditions upon which it will be its practice to make recommendations to the Faculty. (3) In the case of the award of *magna cum laude* and *summa cum laude* the Dean of the Faculty and the Committee of Six will review the entire record of candidates and will transmit to the Faculty their recommendations. Only students of marked distinction in both general work and in the field of honor studies will be recommended for the *summa cum laude* degree.

In exceptional cases, upon recommendation of the department in which the candidate has done his major work, the Committee of Six may recommend to the Faculty that a student be awarded a degree of honors for which he does not have the required average.

The minimum average required for a student to be accepted by a department as a candidate for honors is determined by the department concerned.



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Students in the Independent Study Program may become candidates for the degree with honors. Recommendations for such students will be made by the student's tutor together with those members of his committee who have joined in assigning him his comprehensive grade in the program.

### INDEPENDENT STUDY

A limited number of students who elect to do so may participate in an independent study program, usually in the junior and senior years. Participants are chosen by a faculty committee including the Dean of the Faculty, after nomination by the faculty advisor or some other member of the Faculty. Such Independent Scholars will be free to plan a personal program of study under the direction of a tutor, chosen by the student with the advice and consent of the selection committee. The tutor will provide the guidance and counsel necessary to help the student attain the educational objectives he has set for himself. The tutor and one or more other members of the Faculty familiar with the student's work will ultimately assign a comprehensive grade and provide a detailed, written evaluation of the student's performance which will become part of his formal record at Amherst College. Grades in such regular courses as the student may elect will be taken into account in assigning the comprehensive grade, and the student is eligible for a degree with honors, as well as all other awards and distinctions.

### ADVANCED PLACEMENT & EARLY GRADUATION

Many academic departments grant advanced placement to properly qualified students by allowing them to enroll in a course beyond the elementary offering. (This does not constitute satisfaction of the distribution requirement in that division.) While the College does not confer advanced *standing* on entrance, an undergraduate with three years of residence and 24 courses, and who has completed all other requirements, may apply for graduation.

### FOUR-COLLEGE COURSES

Amherst has an arrangement with Mount Holyoke College, Smith College and the University of Massachusetts by which any of their regular courses is, under special circumstances, open to Amherst students.

In general, permission to take any such course will be given to a student in good standing, for a course suitable to a liberal arts college curriculum, which is not offered at Amherst College and which has a bearing on the plan of education laid down by the student and his advisor.

In any case, approval of the chairman of the student's major department, of the chairman of the Amherst College department to which the course is related, and of the Dean of the Faculty is required.



## DEGREE REQUIREMENTS

Students interested in such courses will find current catalogs of the other institutions at the Loan Desk of the Library and at the Registrar's Office. Application blanks may be obtained from the Registrar's Office.

### MASTER OF ARTS

THE degree of Master of Arts is conferred upon students who have received the Bachelor of Arts degree either from Amherst College or from another college which has similar requirements for the Bachelor of Arts degree, and who have met the requirements described below. Application forms and a detailed explanation of the requirements may be obtained from the Dean of the Faculty.

#### REQUIREMENTS

To become a candidate for the Master of Arts degree, students are expected to have had at least a B average or its equivalent in their undergraduate work. They should secure approval of proposed courses of study from the Dean, the department concerned, and the Committee of Six, not later than the June preceding the opening of the college year in which they plan to begin work for this degree.

Candidates are required to complete at least eight semester courses of advanced character, or the equivalent, under the direction of the department concerned, to secure grades of at least B in every course, to spend a minimum of two semesters in residence at Amherst College, to prepare a satisfactory thesis, and to pass oral and written comprehensive examinations.

### COOPERATIVE DOCTOR OF PHILOSOPHY

A COOPERATIVE Doctor of Philosophy program has been established by Amherst, Mount Holyoke, and Smith Colleges and the University of Massachusetts. The degree is awarded by the University of Massachusetts but some and perhaps much—and in a few exceptional cases even all—of the work leading to the degree might be done in one or more of the other institutions.

When a student has been awarded a degree under this program, the fact that it is a cooperative doctoral degree involving Amherst, Mount Holyoke, and Smith Colleges and the University of Massachusetts will be indicated on the diploma, the permanent record, and all transcripts, as well as on the commencement program.

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The requirements for the degree are identical to those for the Ph.D. degree at the University of Massachusetts except for the statement relating to "residence." For the cooperative Ph.D. degree "residence" is defined as the institution where the dissertation is being done.

Students interested in this program should write to the Dean of the Graduate School at the University of Massachusetts. However, students who wish to work under the direction of a member of the Amherst Faculty must have their proposal approved by the Dean of the Faculty of Amherst College and by the Amherst Faculty Committee of Six.

# Faculty Statement on Intellectual Responsibility

**I**N order to cooperate with the Student Council in its efforts to maintain an honor system at Amherst College, the Faculty has voted the following statement and articles:

*A Statement of Intellectual Responsibility Among Students at Amherst College:*

The following Articles are an institutional expression of the basic fact that every man's education is the product of his own intellectual efforts. Amherst cannot educate a man who will not educate himself. Amherst sees no value in making its facilities available to a man who avoids the responsibility and opportunity for his own education. Every man who enrolls and remains at Amherst, therefore, understands that to submit work which is not his own violates the purpose of the College and of his presence there. No intellectual community can maintain its integrity or be faithful to its members if violations of its central purpose are for any reason tolerated.

This principle of intellectual responsibility applies to all work done by students.

## ARTICLE I

This statement will be perpetuated in the Amherst College Bulletin, Student Handbook, and other publications deemed appropriate. The following affirmation will be printed on the course enrollment cards for every course; it must be signed before enrollment can be considered:

"I have read, understand, and accept the Statement of Intellectual Responsibility Among Students at Amherst College, and agree with this principle as it relates to this course.

..... (signed)"

## ARTICLE II

Section 1. Examinations will not be proctored; orderly and honorable conduct of examinations will be the individual and collective responsibility of the students concerned, in accordance with the Statement above.

Section 2. The instructor may be present at examinations at appropriate times to answer any questions that arise.

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### ARTICLE III

In instances of purported or ascertained violation of the Statement of Intellectual Responsibility, the Student Council will, after proper scrutiny and deliberation, recommend the course of action to be followed, the recommendation being subject to the approval of the College Council and of the President of the College.

### ARTICLE IV

The Student Council shall make provision for explaining the Statement of Intellectual Responsibility to incoming freshmen and to new members of the Faculty, and for publicizing and interpreting the Statement to the Student Body during the year. The Student Council will consider any problems of maintaining intellectual responsibility which are brought before them by the students. They will make any recommendations which they deem advisable for action by the Faculty and Administration. At some time each year the Council shall also be responsible for a serious review of the effectiveness of these procedures in promoting the central purpose of the College.

# III

## COURSES OF INSTRUCTION





# Courses of Instruction

**C**COURSES are open to all undergraduates, subject only to the restrictions specified in the individual descriptions. Courses listed as elective for a particular class may be elected by members of that class and higher classes. In general all courses numbered 1 to 9 are introductory language courses. Introductory courses in other areas are numbered 11 to 20, senior honors courses, usually open only to candidates for the degree with honors, are numbered 77 and 78, and special topics courses are numbered 97 and 98. All courses, unless otherwise marked, are full courses. The course numbers of double courses and half courses are preceded by D or H. All odd-numbered courses are offered in the first semester, unless followed by the designation s, and all even numbered courses are offered in the second semester unless followed by the designation f.

## SPECIAL TOPICS COURSES

Departments may offer a semester or a year course known as Special Topics in which a student or a group of students study or read widely in a field of special interest. It is understood that this course will not duplicate any other course regularly offered in the curriculum and that the student will work in this course as independently as the director thinks possible.

Before the time of registration the student should consult the teacher in whose field of competence his subject comes and who will direct his work; they will decide the title to be reported, the nature of the examination or term paper, and will discuss the preparation of a bibliography and a plan of coherent study. All students must obtain final approval of the Department before registration. Two Special Topics courses may not be taken concurrently.

## PROBLEMS OF INQUIRY

Each of the three Problems of Inquiry courses is a one-semester interdisciplinary introduction to the outlook and methods of one of the major divisions of the liberal arts program. Students must normally elect these three courses within their first four semesters, although some who choose a major in the first two years may (depending on major department requirements) be exempt from the Problems of Inquiry course in their major division. No more than one of these courses may be elected in a single semester.

**1. Humanities.** A number of works in the humanities will be considered with an eye toward distinguishing and comparing the kinds of discourse

## AMHERST COLLEGE

stimulated by each. Materials will be selected mainly, though not exclusively, from literature, music, fine arts, and imaginative works of discursive prose.

Three meetings a week, usually in sections. Elective for Freshmen and Sophomores. First semester. Professors Cameron, Kennick, McInnes, Pritchard (Chairman), Sofield, Townsend, Westfall and White; Messrs. Connor and Stewart.

### **1s. Humanities.** Same description as Problems of Inquiry 1.

Three meetings a week, usually in sections. Elective for Freshmen and Sophomores. Second semester. Professors Chickering, French, Maddox, Mishkin, J. Moore, Pemberton and Pritchard (Chairman); Messrs. Stewart and Zemelman.

**2f. The Social Sciences.** An examination of the ways in which the various social sciences seek to understand social phenomena. The topic for 1967-68 will be totalitarianism. The course will be concerned with the techniques and explanatory models employed by the disciplines involved and with the historical importance of the events for which totalitarianism serves as a generalizing concept. The class will meet as a whole for lectures and films, and in sections for seminar discussions.

Elective for Freshmen and Sophomores. First semester. Professors Arkes, Cheyette, Dinkelspiel, Gifford, Guttmann (Chairman), Kennedy, Levin, B. Morgan, Olver, Pitkin and Ratté; Mr. Taubman.

### **2. The Social Sciences.** Same description as Problems of Inquiry 2f.

Elective for Freshmen and Sophomores. Second semester. Professors Guttmann (Chairman), Halsted, Kidner, R. Moore, Mudge and Schneider; Mr. Taubman and others.

**3. The Natural Sciences.** An examination of essential aspects of scientific methodology and philosophy. The impact of science upon man's world view and an evaluation of the role of the layman in a society that is increasingly science-oriented. Active student participation is encouraged as much as possible in developing these ideas by frequent use of small seminar discussions.

In 1967-68, illustrations of these concepts will be drawn from man's changing view of the universe: the Ptolemaic Model, the Copernican Revolution, the Newtonian Synthesis, ending with questions of current concern. Three hours of lectures and discussions, and one two-hour laboratory per week.

This course is not open to students who have completed Physics 13 or 14 or its equivalent. Students planning to take Physics 13 and 14 should consult with their advisors before registering for this course. Elective for Freshmen and Sophomores. First semester. Professors Dempsey (Chairman), Denton, Duffy, Moncrief, Romer, Sargent and Strong.

**3s. The Natural Sciences.** Same description as Problems of Inquiry 3.

This course is not open to students who have completed Physics 13 and 14 or the equivalent. Students planning to take Physics 13 and 14 should consult their advisors before registering for this course. Elective for Freshmen and Sophomores. Second semester. Professors Cogan, Dempsey (Chairman), Epstein, Gordon, Sargent and others.

## AMERICAN STUDIES

Professors DeMott, Greene, Kennedy, Marx, B. Morgan, C. Morgan, Rozwenc (Chairman), Ward,\* Warne and Ziegler; Associate Professors Guttmann and Hawkins; Assistant Professors Halsey and Levin; Messrs. Clark and Reed

American Studies is a program which searches for an understanding of the relations among institutions, ideas, and aesthetic forms within the American experience. By combining work in a number of the traditional scholarly disciplines, it aims to place the student in a position where he can see and can make some statements about these relations.

*Major Program.* A major in American Studies is required to develop a program of courses and independent reading which will enable him to pass a series of intensive written and oral examinations in the spring semester of the senior year. These examinations will cover:

1. The main forces which have shaped American life throughout American history. An American Studies major must understand changes in political and social institutions, the forms of economic organization, the competing myths and ideologies, and the programs of social action which have developed in the American experience.

2. The classic writings and other creative efforts in the American intellectual tradition. These include significant works in literature, art, philosophy, and political and social theory.

Beginning with the class of 1969 a major in American Studies will be required to take both terms of the introductory course (American Studies 11, 12) and to work out for himself a program of study inside and outside of courses which will enable him to pass the comprehensive examinations of the senior year. Such a program of study should include a primary emphasis on history and literature (at least three courses in each field), and a competent knowledge of at least one other field (at least two courses), viz., economics, political science, anthropology, philosophy, religion, art, or music.

A major in American Studies will be given a reading list upon acceptance into the major. The works which appear on the reading list will constitute a basic part of the comprehensive examinations in the spring semester of the senior year. Beginning with the class of 1970, no more than thirty students from each class will be admitted to the major program.

\*On leave 1967-68.

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A student majoring in American Studies is urged to take a two-term sequence in European Civilization approved by the departmental advisor, and a one-term course in cultural anthropology with the permission of the department of Anthropology.

A major in American Studies who is not admitted to the honors program is required to take a special seminar in the senior year (American Studies 72).

*Honors Program.* A candidate for honors is required to take the Junior Honors Seminar, and the senior conference courses, American Studies 77 and 78. In conjunction with the senior conference course, each candidate will write an original essay on a topic which has been approved by the Department.

*Distribution Sequences.* A student taking a three-course sequence will be expected to take both terms of the introductory course (American Studies 11, 12) and a third course that is included in one of the fields in Division II (Social-Science) of the curriculum; a student taking a two-course sequence in the Department will be allowed to take only American Studies 11, 12.

Unless otherwise specified all courses are open to freshmen.

**11, 12. An Introduction to American Civilization.** This course will explore the significant interrelations among politics, economic organization, literature, religion, art, etc. in selected moments of American history. The center of attention in the course will be the investigation of large cultural configurations in the American experience rather than a comprehensive historical treatment. Relevant problems of meaning and method in this kind of interdisciplinary inquiry will also be considered.

Elective for Freshmen. First and second semesters. Professors Greene, Guttmann, Halsey, Hawkins, Levin, Marx, B. Morgan, Rozwenc, Warne and Ziegler. Mr. Reed.

**The American Economy.** Same course as Economics 12.

Second semester. Professor Nelson.

**Labor Economics.** Same course as Economics 21.

First semester. Professor Warne.

**American Economic History.** Same course as Economics 28.

Second semester. Professor Aitken.

**American Art.** Same course as Fine Arts 38.

Elective for Sophomores. Second semester. Professor C. Morgan.

**Readings in American Literature.** Same course as English 60.

Requisite: At least two semester courses in American literature. Elective for Juniors. Admission with the consent of the instructor. Seminar course limited to 15 students. Second semester. Professor Marx.



- American Literature I.** Same course as English 61.  
Elective for Sophomores. First semester. Professor Marx.
- American Literature II.** Same course as English 62.  
Elective for Sophomores. Second semester. Professor Marx.
- American Literature III.** Same course as English 63.  
Elective for Sophomores. First semester. Professor Guttman.
- American Philosophy.** Same course as Philosophy 21.  
Elective for Sophomores. First semester. Professor Kennedy.
- Religion in America.** Same course as Religion 34.  
Elective for Juniors. Second semester. Professor B. Morgan.
- American Government.** Same course as Political Science 21.  
First semester. Professor Ziegler.
- Political Parties.** Same course as Political Science 31.  
First semester. Professor Arkes.
- American Constitutional Development.** Same course as Political Science 41.  
First semester. Professor Latham.
- American Political Thought.** Same course as Political Science 48.  
Second semester. Omitted 1967–68. Professor Kateb.
- The History of American Society.** Same course as History 55.  
First semester. Professor Rozwenc.
- The History of American Society.** Same course as History 56.  
Second semester. Professor Rozwenc.
- Seminar in Southern History.** Same course as History 57.  
Limited to 15 students. First semester. Professor Hawkins.
- The Progressive Generation.** Same course as History 58.  
Limited to 15 students. Second semester. Professor Greene.
- Society and Politics in Jacksonian America.** Same course as History 59.  
First semester. Omitted 1967–68. Professor Ward.
- Society and Politics in the Era of the New Deal.** Same course as History 60.  
Limited to 15 students. Second semester. Omitted 1967–68. Professor Rozwenc.
- Foundations of American Civilization.** Same course as History 61.  
First semester. Professor Greene.
- American Diplomatic History.** Same course as History 62.  
Second semester. Professor Levin.

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**Conference Course in American Intellectual History.** Same course as History 63.

Elective for Juniors on permission of instructor. First semester. Professor Commager.

**Conference Course in American Intellectual History.** Same course as History 64.

Elective for Juniors on permission of instructor. Second semester. Professor Commager.

**Seminar in American Educational History.** Same course as History 66.

Limited to 15 students. Second semester. Professor Hawkins.

**Science in America.** Same course as History 70.

Elective for Juniors and, with the consent of the instructor, for Sophomores. Second semester. Omitted 1967-68.

**68. Introduction to Honors Work in American Civilization.** One two-hour seminar weekly.

Required of all Junior candidates for honors. Second semester. The Department.

**72. Seminar in American Civilization.** A study of selected topics in American Civilization including problems of methodology in the various disciplines within the American Studies program. One two-hour seminar weekly.

Required for Senior Rite majors. Admission with consent of the Department. Second semester. The Department.

**77. Conference Course in American Civilization.** Honors work in American civilization.

Elective for Seniors with the consent of the Department. First semester. The Department.

**D78. Honors.** A double course.

Elective for Seniors with the consent of the Department. Second semester. The Department.

**97. Special Topics.** Independent Reading Course.

First semester.

**98. Special Topics.** Independent Reading Course.

Second semester.

## ANTHROPOLOGY

Professor Pitkin (Chairman) and Miss Eayrs

The Anthropology program is designed to bring relevant material from a variety of disciplines (especially biology and psychology), as well as anthro-

pology itself, to bear upon a fuller understanding of man in all his manifestations in time and space.

*Major Program.* Students majoring in the Department will normally take Anthropology 11, 12, 21, 24 or 26, 31, 36 and 40 or 42. Candidates for degrees with honors will include 77, 78. In their senior year they will also take a comprehensive examination and prepare a thesis under the guidance of some member of the Department.

*Distribution Sequences.* Anthropology 11, 12, and Anthropology 11, 12 and 21, 24 or 26 will be designated as the two- and three-course sequences, respectively, for distribution credit.

**11. The Evolution of Culture.** An analysis of culture in evolutionary perspective, regarding it as the distinctive adaptive mode of man.

Elective for Freshmen. Not to be elected by students who have elected Anthropology 21 or 21s in the former curriculum. First semester. Professor Pitkin.

**12. The Culture Concept.** A consideration of the culture idea and its application in descriptive analysis of specific cultures with a concern for what is common to all cultures.

Elective for Freshmen. Second semester. Miss Eayrs.

**21. Comparative Social Organization.** A comparative analysis of a number of primitive societies with special attention to the structural form of particular aspects of overall organization.

Elective for Sophomores. First semester. Miss Eayrs.

**24. Comparative Mythology.** Comparative analysis of a number of mythic systems with special reference to the problem of human psycho-cultural diversity or unity.

Elective for Sophomores. Second semester. Professor Pitkin.

**26. Peasant Society and Culture.** An examination of the concept of peasantry in addition to an analysis of a number of peasant societies drawn both from literature and the social sciences.

Elective for Sophomores. To alternate with Anthropology 24. Second semester. Omitted 1967-68. Professor Pitkin.

**31. Language, Culture and the Individual.** An attempt to understand the nature of language and a discussion of the interrelations of language, culture and the individual. Two-hour weekly seminar. Limited to fifteen students.

Elective for Juniors with consent of the instructor. First semester. Miss Eayrs.

**36. Culture and Personality.** An examination of theoretical and methodological issues concerning the relationship between personality and culture. Two-hour weekly seminar.

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Limited to twelve students. Elective for Juniors with consent of the instructor. Second semester. Professor Pitkin.

**40. Anthropological Theory: I.** A critique of anthropological theory from the mid-nineteenth century to the present with an emphasis on the structural-functional approach. Two-hour weekly seminar. Limited to fifteen students.

Elective for Juniors with the consent of the instructor. To alternate with Anthropology 42. Second semester. Omitted 1967-68. Miss Eayrs.

**42. Anthropological Theory: II.** A critique of anthropological theory from the mid-nineteenth century to the present, with an emphasis on the cultural-historical approach. Two-hour weekly seminar. Limited to fifteen students.

Elective for Juniors with consent of the instructor. To alternate with Anthropology 40. Second semester. Miss Eayrs.

**77, 78. Honors Course.**

First and second semesters. The Department.

**97, H97, 98, H98. Special Topics.** Independent Reading Courses. Full or half course.

First and second semesters. The Department.

## ASTRONOMY

Professors E. R. Harrison and Strong; Associate Professor Irvine (Chairman); Assistant Professors Adler, Army, Cogan, Plummer and Steinon

A joint Astronomy Department provides instruction at Amherst, Mount Holyoke and Smith Colleges and the University of Massachusetts. Introductory courses are taught separately at each of the four institutions; advanced courses are taught jointly.

ASTFC indicates courses offered by the Four-College Astronomy Department. These courses are listed in the catalogs of all four institutions.

Two alternative programs are available leading to a degree in astronomy. The honors program is designed to meet the needs of the student who wishes to prepare for graduate work in astronomy or astrophysics, or who wishes a combined honors program with mathematics or physics. The rite major is available to the student who wishes to study astronomy largely for its cultural value, but who does not plan graduate study.

The facilities of all four institutions are available to departmental majors. Should the needs of a thesis project so dictate, the Department may arrange to obtain special materials from other observatories.

*Major Program.* Minimum requirements: Astronomy 11 or 22 (preferred),

37, 38, 73, 74; Chemistry 31; Mathematics 11, 12, 21, H23; Physics 13, 14, 26; or equivalent by advanced placement.

Astronomy majors are not required to take Problems of Inquiry 3.

The course schedules for astronomy majors in the Classes of 1968 and 1969 will be arranged, in consultation with the Department, on an individual basis.

A student who considers majoring in astronomy should consult with the Department as early as possible in his college career. Honors students should complete Mathematics 12 and Physics 13 before the start of the sophomore year.

An appropriate program for the student who achieves advanced placement in physics or astronomy will be devised on an individual basis, in consultation with the Dean and the Physics Department.

*Honors Program.* Minimum requirements: Astronomy 22, 37 or 38, 43 or 44, 77, 78; Chemistry 31; Mathematics 11, 12, 21, 22, H23; Physics 13, 14, 26, 27, 33, 58; or equivalent by advanced placement.

*Distribution Sequence.* Astronomy 11 and Physics 11 or Mathematics 11, or Astronomy 22 and Mathematics 11 constitute a two-course sequence. Astronomy 11, Physics 11 and 12, or Mathematics 11, Astronomy 22 and 37 constitute a three-course sequence. Other sequences may be arranged in consultation with the Department.

**11. Introductory Astronomy.** A course designed primarily for students not majoring in the physical sciences. The properties of the astronomical universe and the methods by which astronomers investigate it are discussed. The course describes the nature and properties of stars, our Galaxy, eternal galaxies, cosmology, the origin and character of the solar system, and the question of extraterrestrial life. The interrelations between astronomy and physics, chemistry, biology and philosophy are emphasized. Occasional observing with the 18" Amherst refracting telescope and demonstrations with the Spitz planetarium. Three hours of classroom work per week; observing sessions or laboratories are arranged during the semester.

Elective for Freshmen. First semester. Professor Cogan.

**22f. Introduction to Astronomy and Astrophysics.** For astronomy majors or others interested in a quantitative introductory course. A description of our present knowledge of the universe and the means by which this knowledge has been obtained. The course considers the properties of the solar system, individual and multiple stars, interstellar matter, our galactic system, external galaxies and the possibility of extraterrestrial life. Three hours of lecture, 1 hour of observing or a laboratory per week. To be given at Smith College. Same Course as ASTFC 22.

Requisite: Physics 13 and concurrent enrollment in Physics 14. Not open to students who have completed Astronomy 11 prior to 1967-68. Elective for Freshmen or Sophomores. First semester. Professor Stienon.



**37. Astronomical Observation, Reduction, and Analysis I.** Fundamental astronomical catalogues and their uses; theory of the transit telescope; visual observation with the equatorial telescope and the transit; photography with the equatorial telescope; photographic photometry. Three hours of classroom work per week. Some classroom hours will be replaced by observing sessions to be arranged. Same course as ASTFC 37.

Requisite: Astronomy 11 or 22 and Physics 14. Elective for Sophomores or Juniors. First semester. Professor Adler.

**38. Astronomical Observation, Reduction, and Analysis II.** Astronomical spectroscopy including line identification, plate calibration and radial velocity determination; photography of objective grating spectra; photoelectric photometry including determination of atmospheric extinction and extrapolation to stellar color indices and magnitudes outside the atmosphere; photoelectric light curves of variable stars. Three hours of classroom work per week. Some classroom hours will be replaced by observing sessions to be arranged. Same course as ASTFC 38.

Requisite: Astronomy 11 or 22 and Physics 14. Elective for Sophomores or Juniors. Second semester. Professor Stienon.

**43. Astrophysics I.** Basic topics in astronomy and astrophysics. Observational basis of astrophysics. General principles and the physical state of stellar interiors. Stellar evolution. Interstellar conditions and galactic structure. Two two-hour meetings per week. Same course as ASTFC 43.

Requisite: Physics 14, Mathematics 21 or 21s, H23. Elective for Juniors. First semester. Professor Harrison.

**44. Astrophysics II.** Interaction of matter and radiation. Radiative transfer. Introduction to the physics of stellar and planetary atmospheres. Interplanetary and interstellar particles. Extraterrestrial radio emission.

Requisite: Physics 27 or 58, or permission of instructor. Second semester. Professor Irvine.

**73, 74. Reading Course.** Required of rite majors. Students electing this course will be required to do extensive reading in the areas of astronomy and space science. Two term papers will be prepared during the year on topics acceptable to the department.

Elective for Seniors. First and second semesters. The Department.

**77, 78. Senior Honors.** Honors students may engage in either a theoretical or an observational program. Observational facilities include the 16-inch photometric reflector at Smith College, the 20-inch reflector at the University of Massachusetts, the 18-inch refractor at Amherst College, and the 4-inch Ross camera with objective grating at Amherst College. The department may arrange to obtain necessary materials from other observatories if the honors project requires them. An excellent astronomical library at Amherst and access to the CDC 3600 computer at the University of Massachusetts permit

wide opportunities for theoretical honors programs. An honors candidate must submit an acceptable thesis and pass an oral examination. The oral examination will consider the subject matter of the thesis and other areas of astronomy specifically discussed in astronomy courses.

Elective for Seniors. Required of honors students. First and second semesters. The Department.

## BIOLOGY

Professors Hexter, Kidder, Wood, and Yost; Associate Professors Brower\* and Leadbetter (Chairman); Assistant Professors Ellis, Wallace and Zimmerman; Dr. Ives

*Major Program.* A major in biology will consist of at least six semester courses in biology and two semester courses of organic chemistry. Biology 21, 22, 23, and 24, preferably in sequence, are required for majors. Biology 11-12 will not count toward the major without approval by the Department.

All majors must take a comprehensive examination during the senior year. The examination, which will cover the different areas of biology, may be either oral, written, or a combination of the two, as determined by the Department.

Specific requirements may be modified with the approval of the Department. It is recommended that Freshmen intending to major in biology concentrate during their freshman year on necessary background courses in mathematics, physics, or chemistry. Biology majors should omit Problems of Inquiry 3.

*Honors Program.* Honors work in biology is intended to offer an introduction to the purposes and methods of biological research. It is an excellent preparation for those students who wish to become professional scientists or who wish to acquire first-hand knowledge of the methods of modern science.

Candidates for the degree with honors should have completed, by the beginning of senior year, Biology 21, 22, 23, and 24. Honors candidates must elect Biology 77-78 and must complete, by the end of the senior year, a minimum of eight full courses in biology. Specific requirements may be modified with the approval of the Department.

The work for honors in biology consists of two main activities: (a) participation in a seminar in which the candidate reports on recent literature dealing with current scientific investigations; (b) an original investigation under the direction of some member of the staff. The candidate writes a thesis presenting the results of his research to the whole Department.

\*On leave 1967-68.

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*Distribution Sequences.* The following three-semester distribution sequences are offered (the first two courses in each case satisfy the requirement for a two-semester distribution sequence):

1. Biology 11, Biology 12, and any other course in the Department for which the student has the requisites.
2. Chemistry 11 or 31, Biology 14, Biology 21.
3. Chemistry 11 or 31, Biology 21, and either Biology 22, 23, or 24.

**11. Introduction to Biology I.** An introduction to biological principles as a part of a program of liberal study. Recommended as a broad view of biology for non-science majors. Normally does not count toward a biology major. Three classroom hours and four hours of laboratory work per week.

Elective for Freshmen. First semester. Professor Zimmerman.

**12. Introduction to Biology II.** A continuation of Biology 11.

Requisite: Biology 11 or equivalent. Elective for Freshmen. Second semester. Professors Hexter and Yost.

**14. General Biology.** An introduction to biological principles integrated with a first semester of chemistry and arranged as part of a program of liberal study. Recommended as a broad view of biology for science majors planning *not* to take Biology 21, 22, 23, and 24. Three classroom hours and four hours of laboratory work per week.

Requisite: Chemistry 11 or equivalent. Elective for Freshmen. Second semester. Professor Kidder.

**21. Genetics and Cytology.** A study of the basic facts of heredity, an analysis of cellular structure, and a consideration of the various hypotheses for the action of genes in the control of cellular and multi-cellular processes. Four classroom hours and four hours of laboratory work per week.

Requisite: concurrent registration in Chemistry 11 or equivalent. Required for biology majors. Elective for Sophomores. Freshmen may elect it with the consent of the instructor. First semester. Professors Hexter and Yost.

**22. Developmental Biology.** A study of the development of animals and plants, leading to the formulation of the principles of development, and including an introduction to experimental embryology and developmental physiology. Four classroom hours and four hours of laboratory per week.

Requisite: Biology 21. Required for biology majors. Elective for Sophomores. Freshmen who have credit for Biology 21 may elect Biology 22 with the consent of the instructor. Second semester. Professors Ellis and Wallace.

**23. Cell Biochemistry and Physiology.** A study of the physiology and biochemistry of general and specialized cell types. Four classroom hours and four hours laboratory per week.

Requisite: one semester each of biology and chemistry, and concurrent registration in Organic Chemistry. Required for biology majors. Elective for

## BIOLOGY

Juniors. Elective for Sophomores who have credit for Biology 22, with the consent of the instructor. First semester. Professors Kidder and Leadbetter.

**24. Evolutionary Biology.** History of evolutionary ideas, principles of classification, comparative anatomy, genetics of individuals and populations, analysis of and evidence for natural selection and adaptation, the fossil record and the evolution of man.

Requisite: Biology 21. Required for biology majors. Elective for Juniors. Elective for Sophomores who have credit for Biology 21 with the consent of the instructor. Second semester. Professors Wood and Zimmerman.

**41. Ecology.** A study of the interrelations of living organisms and their environment. The natural regulation of animal numbers, problems of population, natural selection, and the origin and distribution of species will be discussed. Three classroom hours and four hours laboratory or field work per week.

Requisite: Biology 21 or the consent of the instructor. Elective for Juniors. First semester. Omitted 1967-68. Professor Brower.

**42. Bacteriology.** A study of the ecology, physiology, and biochemistry of microorganisms, with special emphasis on the non-pathogenic bacteria. Two classroom hours and eight hours laboratory per week.

Requisite: Biology 23. Elective for Juniors. Limited to twenty students. Second semester. Professor Leadbetter.

**43. Comparative Physiology.** A study of aspects of the functioning of various systems of selected animals, both vertebrate and invertebrate. Three classroom hours and four hours laboratory per week.

Requisite: one semester of biology. Elective for Juniors. Limited to twelve students. First semester. Professor Wallace.

**45. Vertebrate Paleontology.** The evolution of vertebrates as shown by the study of fossils, and the relationship of environment to evolution. Three classroom hours and four hours laboratory work per week. Same course as Geology 45.

Requisite: Biology 24 or Geology 12. Elective for Juniors. Limited to twelve students. First semester. Professor Wood.

**46. Biology of Protozoa.** A study of animal microorganisms with special emphasis on physiology, biochemistry, and development. Three classroom hours and four hours laboratory per week.

Requisite: Biology 23 and Organic Chemistry (which may be taken concurrently). Elective for Juniors. Limited to twelve students. Second semester. Professor Kidder.

**47. Advanced Developmental Biology.** An analysis of the present views of development at the cellular and biochemical levels with special attention to the genetic control of embryonic differentiation and to cellular interaction



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in morphogenesis. Three classroom hours and four hours laboratory per week.

Requisites: Biology 22 and 23. Elective for Seniors. Elective for Juniors who have credit for Biology 23 and with the consent of the instructor. Limited to twelve students. First semester. Professor Ellis.

**52. Seminar in Genetics.** A study in depth of one of several topics in genetics. Topics will vary from year to year. Primary sources will be used when available. Two classroom hours per week. Intended primarily for non-honors majors.

Requisite: Biology 21 and the consent of the instructor. Elective for Seniors. Limited to fifteen students. Second semester. Professor Hexter.

**54. Seminar in Radiation Biology.** A study of selected problems of current interest in radiation biology. The topics will vary from year to year. Extensive use will be made of primary sources. Two classroom hours per week. Students who take Biology 54 will not be allowed to take Biology 52, and *vice versa*.

Requisites: Biology 21 and 23. Elective for Seniors not honoring in Biology. Limited to twelve students. Second semester. Omitted 1967-68. Professor Yost.

**77. Biology Honors.** All honors students will take this course. The work consists of a combined seminar, specialized seminars, and individual research. Students will elect one of the following specialized seminar courses with the approval of the Department: Biochemistry and Microbiology, Evolution, Developmental Biology, Genetics, and Radiation Biology. The course is designed for honors candidates but is open to other advanced students with the consent of the Department.

Requisite: Biology 21, 22, 23, and 24. Elective for Seniors. First semester. The Staff.

**D78. Biology Honors.** A continuation of Biology 77. A double course.

Elective for Seniors. Second semester. The Staff.

**97, H97. Special Topics.** Independent Reading or Research Course. Half or full course, as arranged.

First semester.

**98, H98. Special Topics.** Independent Reading or Research Course. Half or full course, as arranged.

Second semester.

## BIOPHYSICS

Advisory Committee: Professor Yost; Associate Professors Dempsey, Fink, Kropf (Chairman), Leadbetter and Silver



## CHEMISTRY

A student may receive the B.A. degree from Amherst with an interdepartmental major in biophysics. This program is designed for those few capable students who either wish the breadth of experience this program provides or who wish to prepare for graduate study in this field. The course of study is organized around course offerings of the various science departments whose disciplines are fundamental to work in biophysics.

*Major Program.* It should be noted that some of the introductory departmental courses are bracketed, since it is assumed that they either will have been satisfied upon admission. If not, they should be taken as required. Requirements: Biology 21 and 22 or 23; Chemistry (11), 31, 43, 44, 47 and 48; Mathematics (11), 12 and 21; Physics (13), 14, 22 and 26 or 34. Substitutions or omissions may be made in certain cases with the advice and approval of the chairman. Problems of Inquiry 3 is not required of biophysics majors.

It is important that a prospective biophysics major consult with the chairman of the advisory committee early in his academic career in order to determine his course selections and prospective seminar and honors work.

*Honors Program.* Candidates for the degree with honors should elect Biophysics 77 and 78 in addition to the above program. An honors candidate may choose to do his senior honors work with any faculty member from any of the various science departments who is willing to direct relevant thesis work. The comprehensive examination will be administered by members of the advisory committee.

**77, D78. Biophysics Honors.** The work consists of a seminar dealing with problems of current interest in biophysics and the preparation of a thesis based upon an individual investigation under the direction of a faculty member. Full course first semester. Double course second semester.

The Committee.

**97, H97, 98, H98. Special Topics.** Independent Reading. Full or half course. First and second semesters.

## CHEMISTRY

Professors Beebe (emeritus) and Whitney;\* Associate Professors Fink, Kropf (Chairman) and Silver; Assistant Professors Moncrief, Sargent and Snellgrove.

*Major Program.* A student considering a major in chemistry should seek the advice of a member of the Department as early as possible, preferably during his freshman year. This will help the student elect a program which best fits

\*On leave 1967-68.

his interests and abilities and which makes full use of his previous preparation. Programs can be arranged for students considering careers in chemistry, chemical physics, biochemistry, biophysical chemistry, medical research, medicine, and secondary school science teaching.

The minimum requirements for a major in chemistry are Chemistry 31 or 31s, 32, 43, 44, 47, 48, Mathematics 12 and Physics 14. (Students in the classes of 1968–1969 can satisfy the mathematics and physics requirements with Mathematics 3 and Physics 23 or 24.) Chemistry majors should omit Problems of Inquiry 3, and should take Mathematics 11 and Physics 13 in the freshman year. A reading knowledge of German and/or Russian is desirable for a student planning graduate work in Chemistry.

*Honors Program.* A candidate for the degree with honors must also elect Chemistry 61, 77 and 78D. Normally an honors candidate will complete the courses required of a major by the end of the junior year. It is highly desirable that an honors candidate, especially if his field of interest is physical chemistry, elect Mathematics 21 and one or more additional semesters of physics and mathematics beyond those required.

The honors program described above assumes that the student will have completed physical chemistry and organic chemistry by the end of his junior year, and this program is most desirable for those planning to go on to graduate study in chemistry. The honors candidate who for some reason is unable to complete the sequence Chemistry 43, 44, 47, 48 by the end of his junior year may, with the permission of the department, defer either organic chemistry or physical chemistry until his senior year and substitute suitable biology or physics courses for the Chemistry 61 and any special topics courses which may be required. These exceptions and the nature of the substituted courses will be granted on an individual basis in consultation with members of the department.

Honors candidates will attend the chemistry seminar during their junior and senior years, participating in it actively in the senior year. At this seminar discussions of topics of current interest will be conducted by staff members, visitors and students.

In the senior year an individual thesis problem will be selected by the honors candidate in conference with some member of the Department. Current areas of research in the department are: chemistry at surfaces of bone and other adsorbents, gas-solid chromatography, chemistry of the visual process, mechanism of organic reactions, enzyme catalyzed processes, coordination chemistry and reaction mechanisms of metalloporphyrins, nuclear chemistry, chemistry of atomic and molecular beam interactions, mechanisms of energy transfer in the gas phase, and X-ray crystallography.

Each candidate will submit a thesis based upon his research work. Recommendations for the various levels of honors will be made by the Department on the basis of the thesis work, the comprehensive examination, and course performance.

*Distribution Sequences.* Distribution sequences may be satisfied in chemistry in the following ways:

Two-course sequence

- a) Any two courses in chemistry
- b) Chemistry 11 or 31 and Biology 14 or 21 or Physics 13 or a physics course for which Physics 13 is prerequisite

Three-course sequence

- a) Any three courses in chemistry
- b) Chemistry 11 and 31 or 32 and Biology 14 or 21 or Physics 13 or a physics course for which Physics 13 is prerequisite
- c) Chemistry 31 and 32 and Biology 14 or 21 or Physics 13 or a physics course for which Physics 13 is prerequisite

Unless otherwise specified, all courses are open to freshmen.

**11. Introductory Chemistry.** Beginning with a discussion of the origin and formation of the elements, this course will study the structure of atoms, the formation of molecules, the nature of interatomic and intermolecular forces, the nature of chemical reactions in terms of rate and position of equilibrium, and the chemical basis of biological processes. Three class hours and three hours of laboratory per week.

Elective for Freshmen. First semester. Professors Fink, Kropf, Silver and Snellgrove.

**11s. Introductory Chemistry.** Same description as Chemistry 11.

Elective for Freshmen. Second semester. Professors Fink and Kropf.

**31. Elementary Chemical Thermodynamics.** A systematic treatment of the laws of thermodynamics with emphasis upon their usefulness in describing chemical systems at equilibrium. There will be some discussion of the relationship between the laws of thermodynamics and the molecular basis of matter. Laboratory work will illustrate the principles discussed in class as well as provide the student with experience in quantitative technique. Chemistry 31 and 32 constitute a full-year program providing a general introduction to chemistry. Three hours lecture, one hour of recitation and four hours of laboratory per week.

Requisite: Physics 13 or the equivalent; Chemistry 11 or the equivalent; Mathematics 11 or its equivalent. Elective for Freshmen with the consent of the instructor. First semester. Professors Kropf and Moncrief.

**31s. Elementary Chemical Thermodynamics.** Same description as Chemistry 31.

Elective for Freshmen with the consent of the instructor. Second semester. Professors Kropf and Moncrief.

**32. Inorganic Chemistry.** The nature of electrolytic solutions, including equilibria, electrochemical cells, acid-base theories, solvent interactions, and kinetics, and the periodic law in terms of the chemical and physical prop-

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erties behind it and the unifying concepts derived from it. Various theories of bonding and structure will be compared. The chemistry of several representative elements will be discussed in some detail. Three hours lecture, one hour recitation, and four hours laboratory per week.

Requisite: Chemistry 11 (or its equivalent) or Chemistry 31. Second semester. Professor Snellgrove.

**43. Organic Chemistry.** Structure, properties, and reactions of organic chemical compounds. Special emphasis is placed upon the effect of structure on reactivity. Topics include spectral properties, conformational analysis, reaction mechanisms, modern synthetic methods, and biochemical applications. Laboratory work emphasizes methods of separation and purification, instrumental analysis, multistep syntheses, kinetic determinations, and organic qualitative analysis. Three to four hours of lecture and discussion and four hours of laboratory per week.

Requisite: Chemistry 31 or 31s with a grade of 65 or over. First semester. Professors Sargent and Silver.

**44. Organic Chemistry.** A continuation of Chemistry 43.

Requisite: Chemistry 43. Second semester. Professors Sargent and Silver.

**47. Modern Physical Chemistry.** Elementary quantum mechanics and statistical thermodynamics of atomic and molecular systems, modern chemical kinetics. Topics include wave properties of matter, atomic structure, molecules and the chemical bond, mechanics of atoms and molecules in crystals, gases and solutions giving rise to the observed phenomena of thermodynamics, kinetic theory of gases, and chemical reaction rate theory. The laboratory includes the quantitative study of the spectra of atoms and molecules, of electrical and magnetic properties of inorganic and organic compounds, and of the kinetics of chemical reactions. Three hours of lecture and discussion, four hours of laboratory per week.

Requisite: Chemistry 31, Physics 14, and Mathematics 12. First semester. Professor Fink.

**48. Modern Physical Chemistry.** A continuation of Chemistry 47.

Requisite: Chemistry 47. Second semester. Professor Fink.

**61. Principles of Chemical Instrumentation.** The theory and application of modern instrumental methods useful in chemistry and the significant design features of representative apparatus will be discussed. Emphasis will be placed on electroanalytical methods, spectrophotometry, X-ray crystallography, nuclear magnetic resonance, and mass spectrometry. Two lecture and two laboratory periods per week. Co-requisite: Chemistry 47.

Elective for Seniors. First semester. Professor Moncrief.

**77. Honors Course.**

Elective for Senior honors candidates, and for others with the consent of the Department. First semester. The Department.



**D78. Honors Course.**

Elective for Senior honors candidates, and for others with the consent of the Department. Second semester. The Department.

**97, H97. Special Topics.** A full or half course.

First semester. Consent of the Department is required. The Department.

**98, H98. Special Topics.** A full or half course.

Second semester. Consent of the Department is required. The Department.

## CLASSICS

Professor J. Moore; Associate Professor Marshall (Chairman); Assistant Professors Simpson\* and Lebeck

*Major Program.* All courses offered by the Department may be counted toward the major except those numbered 1, 1s, and 3; but of Greek 11 or 12 only one may be counted, and only then if both have been elected. Latin 15-16 will normally be introductory to higher courses in Latin, and Greek 15-16 will serve the same function in Greek. A major may be entirely in Greek or entirely in Latin and will then consist of eight semester courses, two of which may be in related fields. A major in Classics will consist of eight semester courses in the Classics, which may be divided in any proportion between Greek and Latin, except that not less than two may be taken in either language. Every *rite* student majoring in the Classics Department, whether in Classics, Greek, or Latin, will write a comprehensive examination in the spring of his senior year. This examination will in general resemble the honors examination described below, except that of course there will be no questions specifically on the candidate's honors work.

*Honors Program.* Honors may be awarded to those candidates who major in Greek or in Latin or in Classics and who take eight semester courses in the Department. Every honors candidate must include in his program those courses numbered 41, 42, 77 and 78 in either Greek or Latin. He must submit a long essay (6000-7000 words) on some topic connected with his honors work and approved by the Department. He must have read extensively in Greek or Latin literature or both. He must also read independently, i.e., not as a part of the work in a course, approximately 50 pages of some Greek or Latin text selected with the approval of the Department. Early in May he will be given a written examination covering: (a) his honors work; (b) his reading in the classical literatures. The emphasis in this examination will be on the literary and historical interpretation of major authors; there will be considerable latitude of choice between various optional questions. The

\*On leave 1967-68.



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award of honors will be determined by the quality of the candidate's course work, of his essay, and of his performance in the general examination.

The Department will cooperate with other departments in giving combined majors with honors.

*Distribution Sequences.* The following courses may be offered in satisfaction of the distribution requirement: Latin 15, 16, 28, 41, 42; Greek 12 if Greek 11 has also been elected, and *vice versa*; Greek 15, 16, 41, 42; Classics 23, 24. But members of the class of 1969 who elected Latin 5 or 6 or Greek 3, 4, 5, or 6 as freshmen may not count these courses in satisfaction of the requirement.

The statement of requisites given below is intended only to indicate the degree of preparation necessary for each course, and exceptions will be made in special cases.

For students beginning the study of Greek the following sequences of courses are normal: Either 1, 12, 11, or 1s, 11, 12.

## Greek

**1. Introduction to the Greek Language.** Attic Greek. Four hours of classroom work per week. This course is normally followed by Greek 12.

Elective for Freshmen. First semester. Professor Marshall.

**1s. Introduction to the Greek Language.** Homeric Greek. Four hours of classroom work per week. This course is normally followed by Greek 11.

Elective for Freshmen with the consent of the instructor. Second semester. Professor Moore.

**11. The Iliad.** Four hours of classroom work per week.

Requisite: Greek 1s or 12. Elective for Freshmen. First semester. Professor Lebeck.

**12. Plato's Apology.** Four hours of classroom work per week.

Requisite: Greek 1 or 11. Elective for Freshmen. Second semester. Professor Lebeck.

**15. Greek Tragedy.** One or two tragedies will be read. Three one-hour class meetings per week.

Requisite: Greek 12 or its equivalent. Elective for Freshmen. First semester. Professor Moore.

**16. Readings from the Odyssey and from the Lyric Poets.** Three one-hour class meetings per week.

Requisite: Greek 15 or its equivalent. Elective for Freshmen. Second semester. Professor Lebeck.

**H21s. Greek Prose Composition and Style.** This course is designed to

strengthen and refine the student's mastery of the Greek language. There will be two principal types of exercise, *viz.*: (a) translation of English passages into Greek and original composition in Greek; and (b) close scrutiny of selected passages of classic Greek prose. One hour of classroom work per week. A half course.

Elective for Sophomores. Second semester. Omitted 1967-68.

**41, 42. Advanced Readings in Greek Literature.** The authors read in these courses vary from year to year, the selection being made according to the interests and needs of the students. Examples: Plato's *Republic*; lyric poetry, including Pindar and Bacchylides; Demosthenes and Thucydides; Aeschylus' *Oresteia*; the writers of the Archaic Period. Two hours of classroom work per week.

Prerequisite: Greek 15 or 16. Seminar course elective for Juniors. First and second semesters. Professors Moore and Lebeck.

**77, D78. Senior Honors Course.** Greek 78 is a double course.

First and second semesters.

**97, 98. Special Topics.**

First and second semesters. Members of the Department.

## Latin

**1s. Introductory Course.** A rapid introduction to the Latin language. Three one-hour meetings per week.

Elective for Freshmen with the consent of the instructor. Second semester. Omitted 1967-68.

**3. Intermediate Course.** Review of Latin grammar; selections from Latin prose and poetry. Four one-hour class meetings per week.

Requisite: Latin 1s, or two or three entrance units in Latin. Elective for Freshmen. First semester. Professor Lebeck.

**15. Cicero's *Pro Caelio*; Selections from Catullus.** Attention will be given to Cicero and Catullus as literary artists and as interpreters of the society of the late Republic. Three one-hour class meetings per week.

Elective for Freshmen. First semester. Professor Marshall.

**16. Virgil's *Eclogues* and Horace's *Odes*.** Three one-hour class meetings per week.

Requisite: Latin 15, or four entrance units in Latin. Elective for Freshmen. Second semester. Professor Marshall.

**H21s. Latin Prose Composition and Style.** A course designed to strengthen and refine the student's mastery of the Latin language. There will be two principal types of exercise, *viz.*: (a) translation of English passages into Latin

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and composition in Latin; and (b) close scrutiny of selected passages of classic Latin prose. One hour of classroom work per week. A half course.

Elective for Sophomores. Second semester. Professor Marshall.

**H27. Latin Poetry: Lyric and Pastoral.** Intended for students of literature who wish to acquire some knowledge of the influence of Latin poetry on the English literary tradition. Poems of Catullus, Horace, and Virgil will be read and interpreted from a literary point of view, and attention will be paid to similar poems in English. Students must have some knowledge of Latin and some familiarity with poetry. Two hours of classroom work per week. A half course.

Elective for Sophomores with the consent of the instructor. Limited to fifteen students. First semester. Professors Moore and Marshall.

**28. Virgil's Aeneid.** At least three books will be read in Latin, and the whole work will be examined in translation. Three hours of classroom work per week, with one additional hour for students needing more help in the language.

Requisite: Latin 3 or the consent of the instructor. Elective for Freshmen. Second semester. Professor Lebeck.

**41, 42. Advanced Readings in Latin Literature.** The authors read in these courses vary from year to year, the selection being made according to the interests and needs of the students. Examples: Livy and Tacitus; Roman Satire; Roman Comedy; Propertius and Tibullus; Cicero's philosophical works. Two hours of classroom work per week. Seminar course.

Requisite: Latin 15 or 16 or the consent of the instructor. Elective for Juniors. First and second semesters. Professor Marshall.

**77, D78. Senior Honors Course.** Latin 78 is a double course.

First and second semesters.

**97, 98. Special Topics.**

First and second semesters. The Department.

## Classics

**23. Classical Civilization.** A study of the civilization of Greece from Homer to Alexander and its contribution to the civilization of the West. Readings from Greek literature will be included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week.

Elective for Sophomores. First semester. Professor Moore.

**24. Classical Civilization.** A study of Roman civilization and its contribution to the civilization of the West. Readings from Latin literature will be

included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Professor Marshall.

## DRAMATIC ARTS

Professors Boughton (Chariman), McGoun and Rogers; Mr. Stewart

*Major Program.* Rite majors must complete Dramatic Arts 11, 21, 22, 31, 32, 51, 52 and must either repeat 51 or 52 or elect one of the following courses: English 31, 32, 70, 72; Fine Arts 11, 11s, 15, H17; French 27, 28, 35; Music 45; German H34; Spanish 21.

*Honors Program.* Honors candidates majoring in Dramatic Arts must complete Dramatic Arts 11, 21, 22, 31, 32, 77, 78 and either 51 or 52. Honors projects may be developed in consultation with members of the department.

*Distribution Sequences.* The two-course sequence will be Dramatic Arts 11 (or 11s) and either Dramatic Arts 21 or 22. The three-course sequence will be Dramatic Arts 11 (or 11s) and either Dramatic Arts 21-22 or Dramatic Arts 31-32.

**11. Introduction to the Theater Arts.** A consideration of the materials of creative expression in drama; an appreciation of the playwright's work and how his script is brought to fruition in production. Four hours of classroom work per week.

Elective for Freshmen. First semester. The Department.

**11s. Introduction to the Theater Arts.** Same as Dramatic Arts 11.

Elective for Freshmen. Second semester. The Department.

**21. Backgrounds of the Modern Drama.** The origins and development of the drama from the Greeks to the 19th century. Four hours of classroom work per week.

*Requisite:* Dramatic Arts 11 or 11s. Elective for Sophomores. First semester. Mr. Stewart.

**22. Modern Drama.** Nineteenth century to the present. Four hours of classroom work per week.

*Requisite:* Dramatic Arts 11 or 11s. Elective for Freshmen. Second semester. Mr. Stewart.

**31. Principles of Dramatic Production.** A study of directing, acting, scene design and stage lighting considered as instruments of dramatic interpretation. Four hours classroom work per week.

*Requisite:* Dramatic Arts 11 or 11s. Elective for Sophomores. First semester. Professors Boughton, McGoun and Rogers.

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**32. Principles of Dramatic Production.** Continuation of Dramatic Arts 31. Four hours of classroom work per week.

Requisite: Dramatic Arts 31. Elective for Sophomores. Second semester. Professors Boughton, McGoun and Rogers.

**51. Advanced Study.** Advanced work in one of the following fields of dramatic arts: directing, scene design, stage lighting, dramatic literature. Classroom meetings, reports and conferences, projects.

Elective for students who have completed a three-course sequence in dramatic arts. This course, and/or Dramatic Arts 52 may be repeated with the consent of the Department. First semester. The Department.

**52. Advanced Study.** Continuation of Dramatic Arts 51.

Elective for students who have completed a three-course sequence in dramatic arts. Second semester. The Department.

**77. Conference Course.** Conference course for students majoring in dramatic arts. Selected topics of study.

Required of candidates for honors. Elective for Seniors with the consent of the Department. First semester. The Department.

**78. Conference Course.** Continuation of Dramatic Arts 77.

Required of candidates for honors. Elective for Seniors with the consent of the Department. Second semester. The Department.

## ECONOMICS

Professors Aitken (Chairman), Collery, Nelson, and Warne; Associate Professors Beals, Köhler,\* and Mead; Assistant Professors Chalmers and Monsma

*Major Program.* All students majoring in economics must take Economics 11, 12, 13, 45 (or other preparation in statistics with the consent of the Department), and Mathematics 11 and 12. In addition, rite students must take Economics 73, 74, and at least one other course in economics, while honor students must take Economics 77, 78, and at least one other course in economics.

Students majoring in economics may elect Problems of Inquiry 2.

Each candidate for a degree in economics will have to pass a comprehensive examination by the end of his senior year. The examination will be given at the end of the first semester. The student will also be examined in May on the content of his thesis.

*Distribution Sequences.* A two-course distribution sequence in economics will consist of Economics 11 and any other course in economics. A three-course

\*On leave 1967-68.



distribution sequence will consist of Economics 11 plus two other courses in economics.

Unless otherwise specified, all courses are open to freshmen.

**11. An Introduction to Economics.** A study of the central functions and problems of an economic system, of the principles and practices of our economy, and of other forms of economic organization and control. One lecture and three hours of discussion each week.

Requisite for all other courses in economics. First semester. Professors Beals, Chalmers, Collery, Mead, Monsma, and Nelson.

**11s. An Introduction to Economics.** Same description as above.

Second semester. Professors Beals, Chalmers, Collery, and Mead.

**12. The American Economy.** An examination of the structure and operation of the economic system of the United States, with particular emphasis upon the different types of markets and industrial structures, the role and behavior of the price mechanism, the evolution of public policies, and selected current economic issues. Two lectures and two hours of discussion each week.

Requisite: Economics 11. Second semester. Professor Nelson.

**13. Money, Banking, and National Income.** A study of money and finance and their relation to the functioning of an economic system. An introduction to the theory of income determination with an indication of the role that money and finance play in the determination of employment, production, and prices. Two lectures and two hours of discussion each week.

Requisite: Economics 11 and Mathematics 11. First semester. Professor Collery.

**21. Labor Economics.** A survey of the position of labor in our modern economy and of the development and status of labor legislation and social security measures. One two-hour seminar each week.

Requisite: Economics 11. First semester. Professor Warne.

**26. Consumer Economics.** A historical study of the consumer in economic theory and practice. One two-hour seminar each week.

Requisite: Economics 11. Second semester. Professor Warne.

**27. European Economic History.** An examination of the economic development of Europe from feudal times to the present day with emphasis on the evolution of industrialism. Four hours of classroom work per week.

Requisite: Economics 11. First semester. Professor Aitken.

**28. American Economic History.** A study of the economic development of the United States from colonial times to the present day. Four hours of classroom work per week.

Requisite: Economics 11. Second semester. Professor Aitken.

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**31. Public Finance.** A study of taxing, spending and debt policies of government units with emphasis on the implications of these policies for income distribution and the allocation of resources. Three class hours per week.

Requisite: Economics 11. First semester. Omitted 1967-68. Professor Monsma.

**32. Comparative Economic History.** Comparative analysis of the historical development of a number of national economies, with particular reference to changes in economic structure and productivity. One two-hour seminar each week.

Requisites: Economics 11 and either Economics 27 or 28. Limited to 15 students. Second semester. Professor Aitken.

**33. Monopoly Regulation.** The theory of monopoly pricing and of price discrimination; objectives and methods of public control of prices, profits, and service by public utilities and transportation agencies. Three hours of classroom work per week.

Requisite: Economics 11. First semester. Professor Nelson.

**34. Stabilization Policy.** A study of macroeconomics in the context of the United States' economy. The approach will take advantage of the student's introduction to the theory of income determination obtained in Economics 13 to construct a model which approximates many of the important behavioral and institutional characteristics of our economy. This model will then be used as an instrument for the analysis of both fiscal and monetary policy. Two lectures and two hours of discussion per week.

Requisite: Economics 13. Second semester. Professor Chalmers.

**35. International Trade and Payments.** A study of the economic relationships among countries with special emphasis on theoretical analysis: the balance of payments and the foreign exchange market including price and income effects in the balance of payments adjustment process; the theory of international trade; policy problems of trade restrictions, external vs. internal balance and international monetary cooperation.

Requisite: Economics 11 and Mathematics 11. First semester. Professor Mead.

**36. Economic Development.** An examination into the problems of economic growth with particular reference to less developed countries; the interaction of economic and noneconomic factors, population growth and the labor force, capital requirements, market development, foreign investment and aid, and the role of government. Case materials from selected Asian, African, and Latin American countries will be used.

Requisite: Economics 11. Second semester. Professor Mead.

**38. The Economics of Socialism.** A study of the theory and practice of planned economies with particular reference to the Soviet Union.

Requisite: Economics 11. Second semester. Omitted 1967-68. Professor Köhler.

**42. The Theory of Price.** An introduction to the theory of utility and demand; the nature of cost and the production function; diminishing returns and short-run cost curves; returns to scale and long-run cost curves; competitive pricing; the pricing of productive services; the theory of monopoly; the theory of oligopoly; cartels and unions; the distribution of income; general equilibrium. Three meetings per week.

Requisite: Economics 11. Second semester. Professor Monsma.

**45. Economic Statistics.** A study of the analysis of quantitative data, with special emphasis on the application of statistical methods to economic problems. Four class hours per week.

Requisites: Economics 11 and Mathematics 11 and 12. First semester. Professor Beals.

**46. Introduction to Mathematical Economics and Econometrics.** An introduction to some areas of mathematical economics, such as input-output analysis, linear programming, and dynamic analysis; and to problems of econometric model construction and estimation. Emphasis is placed on the economic content of the methods.

Requisites: Economics 45. Second semester. Professor Beals.

**73. Senior Rite Seminar.** Required of senior rite majors in economics. First semester.

**D74. Senior Rite Seminar.** Preparation of a thesis on a topic approved by the Department. A double course.

Required of all seniors majoring in economics who are not candidates for Honors. Second semester.

**77. Economics Honors.**

Required of all seniors majoring in economics who are candidates for Honors. First semester.

**D78. Economics Honors.** Preparation of a thesis on a topic approved by the Department. A double course.

Required of all seniors majoring in economics who are candidates for Honors. Second semester.

**97, H97. Special Topics.** Independent Reading Course. A full course or a half course. First semester.

**98, H98. Special Topics.** Independent Reading Course. A full course or a half course. Second semester.

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# ENGLISH

Professors Baird, Craig,\* DeMott (Chairman), Marx, and McKeon; Associate Professors Cameron, Cody, Guttmann, Heath,\* and Pritchard; Assistant Professors Chickering, Sofield and Townsend; Messrs. Connor and Zemelman

*Major Program.* The student majoring in English must elect English 11, English 12, and eight other semester courses (exclusive of advanced composition and creative writing courses) offered or approved by the English Department. He must also pass a comprehensive examination in English that is given in January of the senior year. He should plan his program carefully in consultation with his departmental advisor, taking into account both his own particular interests and needs and the comprehensive examination requirements.

The comprehensive examination in English will be six hours long and consist of two parts: (1) Questions on the literature of each of four periods, English literature before 1616, English literature from 1616-1832, English literature from 1832 to the present, and American literature; (2) Questions testing the student's ability to date and to characterize with respect to their periods a number of passages in both verse and prose.

In one way the comprehensive examination will be factual, objective, informational. Its purpose is to promote those regular habits of study through which the student of literature as a matter of course acquaints himself with authors' names and dates, exact titles and dates of major works, the common varieties of verse, major literary forms, and other such matters of fact. In another way the examination will test the student's awareness of the historical development of English and American literature. A reading list is available as an aid to students preparing for the comprehensive examination.

The examination as a whole will ascertain whether students of American and English literature know, in the simplest and most obvious terms, where they have been and what they have been reading in their preceding semesters of study.

*Honors Program.* Exactly as above, except that candidates for honors must also elect, in their senior year, English 77-78.

*Distribution Sequences.* The student may satisfy the requirement for a two-course sequence by electing English 11 and English 12, or by electing English 11 or English 12 together with any other course in the department (except Advanced Composition and Creative Writing). Any third course in the department (except Advanced Composition and Creative Writing) may be used to create a three-course sequence. Other sequences may be proposed but require the approval of a member of the department.

\*On leave 1967-68.



N.B. The English Department does not grant advanced placement on the basis of College Entrance Examination Board scores. The character of the departmental offering is not such as to make advanced placement a meaningful idea. English 11 and 12 are conceived as courses of interest to students at any level of preparation in the study of literature.

**11. Writing.** An introduction to the literary discipline through a study of composition. Three hours of classroom work per week.

Elective for Freshmen. First semester. Professor DeMott (Chairman), and members of the Department.

**12. Reading.** The aim of the course is to increase consciousness of the foundations of individual taste. Papers are frequent; materials for assessment are drawn from various media at various cultural levels. Three hours of classroom work per week.

Elective for Freshmen. Second semester. Professor DeMott (Chairman), and members of the Department.

**21. Advanced Composition.** A course in disciplined writing, both verse and prose. Students are expected to work independently without specific assignments. Class discussions of manuscripts and frequent conferences with the instructor. One two-hour meeting per week.

Elective for Sophomores with the consent of the instructor. Limited to fifteen students. First semester. Mr. Connor.

**22. Advanced Composition.** A continuation of English 21. One two-hour meeting per week.

Elective for Sophomores with the consent of the instructor. Limited to fifteen students. Second semester. Mr. Connor.

**H23. Creative Writing.** An advanced course in disciplined writing, both verse and prose. Students work independently without specific assignments. Fortnightly individual conferences with instructor. Continuation of English 21-22. A half course.

Requisite: English 21-22 and the consent of the instructor. Elective for Juniors. Limited to five students. First semester. Omitted 1967-68.

**H24. Creative Writing.** Continuation of English 23. A half course.

Requisite: English 23 and the consent of the instructor. Elective for Juniors. Limited to five students. Second semester. Omitted 1967-68.

**27. Readings in Medieval Literature.** Selected prose and poetry, usually English or in translation. The readings will vary from year to year. Examples: Middle English writers other than Chaucer; satire and lyric in the fifteenth century; Arthurian romances; Old English poetry and prose. Three hours of classroom work per week.

Elective for Sophomores. First semester. Professor Chickering.



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**28. Chaucer.** A study of Chaucer's major works in the original. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with the consent of the instructor). Second semester. Professor Chickering.

**30. Readings in Renaissance Literature.** Selected English writings from More to Dryden studied in relation to European art and letters. One two-hour meeting per week.

Elective for Juniors. Seminar course limited to fifteen students, admission with the consent of the instructor. Second semester. Omitted 1967-68. Professor Cody.

**31. Shakespeare.** A reading of the plays in a chronological order. Emphasis on Shakespeare's development as dramatist and poet. Three hours of classroom work per week.

Requisite: a grade of B in a previous English course. Elective for Sophomores. First semester. Professor Baird.

**32. Shakespeare.** A continuation of English 31. Three hours of classroom work per week.

Requisite: English 31. Elective for Sophomores. Second semester. Professor Baird.

**33. Sixteenth Century Literature.** Poetry and doctrine; mythology and style; revenge tragedy; comedy; Wyatt, Spenser, Sidney, Raleigh, Kyd, Marlowe, Jonson; some Renaissance humanist writings in translation. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). First semester. Professor Cody.

**34. Seventeenth Century Literature.** The major authors of poetry, prose, and drama, including Donne, Jonson, Bacon, Webster, Herbert, Milton, Hobbes, and Marvell. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Professor Sofield.

**36. Literature and Society, 1660-1740.** A study of the prose, poetry and drama of the Restoration and earlier eighteenth century. Principal authors will include Dryden, Swift and Pope; attention will be paid to lesser figures. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with permission of the instructor). Second semester. Omitted 1967-68. Professor Heath.

**41. Readings in Nineteenth Century Literature.** Readings of selected major authors in relation to some documents of intellectual and social history. The subject for 1966-67 was autobiography and the novel. One two-hour meeting per week.

Elective for Juniors. Limited to fifteen students. First semester. Omitted 1967-68. Professor Craig.

**43s. Readings in Romantic Poetry.** A study of selected major poets from Blake to Byron. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Professor Townsend.

**47. The Nineteenth Century English Novel.** A study of representative English novels, mainly of the nineteenth century. Emphasis is upon a critical reading of individual works but some attention is paid to historical and biographical contexts. The novels and novelists read vary from year to year. Three hours of classroom work per week.

Elective for Sophomores (or Freshmen with consent of the instructor). First semester. Professor Cameron.

**49. Readings in Nineteenth Century Continental Fiction.** Stendhal, Flaubert, Zola, Turgenev, Tolstoy, and Dostoevski are among the authors studied. Three hours of classroom work per week.

Elective for Sophomores. First semester. Omitted 1967-68. Professor DeMott.

**50f. Readings in Twentieth Century Continental Fiction.** Novels by Kafka, Mann, Gide, Sartre, Camus and others are read in this course. Three hours of classroom work per week.

Elective for Sophomores. First semester. Professor DeMott.

**52. Modern and Contemporary Poetry.** A study of the poetry and some relevant prose writings of figures mainly from the last thirty years: Eliot, Wallace Stevens, William Carlos Williams, Auden, Graves, Muir, Robert Lowell, some recent English and American poets.

Elective for Sophomores. Second semester. Professor Pritchard.

**53. Modern Poetry.** A study of the poetry and relevant prosewritings of Hardy, Yeats, Pound, The Georgians and Imagists, D. H. Lawrence, Frost and early Eliot. Three hours of classroom work per week.

Elective for Sophomores. First semester. Professor Pritchard.

**54. Readings in Modern Fiction.** A study of some novels written in the twentieth century and a consideration of the novelist's position in modern society. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Professor Cameron.

**56. Literary History of the Great War 1914-1918.** The limits of literature studied in relation to the event of war: memoir, journalism, biography, history, fiction, poetry. Some reference to writings on other wars, e.g. Tolstoy, Orwell, Edmund Wilson. One two-hour meeting per week. Seminar limited to fifteen students.

## AMHERST COLLEGE

Elective for Juniors with consent of the instructor. Second semester. Professor Cody.

**60. Readings in American Literature.** An intensive study of one or more major American writers; the particular writers will vary from year to year. Prerequisite: at least two semester courses in American literature. In some instances a specific course may be required as an additional prerequisite. One two-hour meeting per week.

Seminar course limited to fifteen students, admission with consent of the instructor. Elective for Juniors. Second semester. Professor Marx.

**61. American Literature I.** A survey of American literature from the seventeenth century to the early nineteenth century with emphasis on the interplay between the general culture and the work of major writers, including Taylor, Edwards, Franklin, Poe, Emerson, Thoreau, Whitman, and Hawthorne. Three hours of classroom work per week.

Elective for Sophomores. Students other than English or American Studies majors require permission of the instructor. First semester. Professor Marx.

**62. American Literature II.** A continuation of English 61 to the early twentieth century, including the work of Hawthorne, Melville, Dickinson, Mark Twain, James, Crane, and Dreiser. Three hours of classroom work per week.

Prerequisite: English 61. Elective for Sophomores. Second semester. Professor Marx.

**63. American Literature III.** A continuation of English 62 to the present, including the work of Frost, Eliot, Fitzgerald, O'Neill, Hemingway, Dos Passos, Stevens, and Faulkner. Three hours of classroom work per week.

Prerequisite: English 62. Elective for Sophomores. First semester. Professor Guttmann.

**70. Tragedy.** Plays by Sophocles, Shakespeare, Ibsen, Hofmannsthal, Camus, Sartre, Giraudoux, and Anouilh will be read in this course. Three class meetings a week.

Elective for Sophomores (and Freshmen with the consent of the instructor). Second semester. Professor DeMott.

**72. Comedy.** Plays by Shakespeare, Molière, Congreve, Chekhov, Ibsen, Shaw, Sartre, Ionesco, and Beckett are read in this course. Three hours of classroom work per week.

Elective for Sophomores (and Freshmen with the consent of the instructor). Second semester. Omitted 1967-68. Professor DeMott.

**74. Topics in the Novel.** The topics will vary from year to year. In 1966-67 the topic was: the fiction of Fielding, Dickens, and Joyce. Two meetings of one and one half hours each per week.

Elective for Juniors. Limited to twenty-five students. Second semester. Omitted 1967-68. Professor Cameron.

## FINE ARTS

**76f. An Introduction to Literary Studies.** A study of the characteristics of literary knowledge as illustrated in the theory and practice of selected major critics and scholars. Three classroom hours per week.

Elective for Juniors. Others require permission of the instructor. First semester. Professor Townsend.

**77. Senior Tutorial.** Weekly meetings with a tutor assigned by the Department. Open to senior English majors whose college average is 80 or above. First semester. The Department.

**D78. Honors Tutorial.** Weekly meetings with a tutor assigned by the Department.

Prerequisite: English 77. Second semester. The Department.

**97. Special Topics.** Independent Reading Course.

First semester.

**98. Special Topics.** Independent Reading Course.

Second semester.

## FINE ARTS

Professors C. Morgan (Chairman), Rogers, Trapp;\* Associate Professor Schmalz; Assistant Professors Maddox and Westfall

*Major Program.* A major in fine arts consists of eight full courses in fine arts, one of which must be taken in studio work (see below), and a comprehensive examination. Additional work in studio beyond the 15 level may also count towards fulfillment of the majors requirements. A rite major may by departmental permission elect a 77-78 program of individual work as a senior.

*Honors Program.* Honors in fine arts shall consist of eight full courses in fine arts, one of which must be taken in studio work (see below), plus Fine Arts 77-78, and a comprehensive examination. Normally, as a minimum, either Fine Arts 47 or Fine Arts 48 will be included in the student's elections within the Department. Note: A certain amount of work at the neighboring institutions is acceptable, at the discretion of the Department, for fulfillment of the major program.

*Distribution Sequences.*

a. Two-course sequences: Fine Arts 11 or 11s plus one other course in art history; Fine Arts 15 plus one other course in studio.

b. Three-course sequences: Fine Arts 11 or 11s plus two other courses in art history; Fine Arts 15 plus two other courses in studio, one of which would normally be 23, 27, or 29.

\*On leave 1967-68.



## AMHERST COLLEGE

**11. Introduction to the History of Art.** The development of the major arts from the earliest time to the present day, with a special emphasis on the manner in which they reflect the successive civilizations that produced them. Three hours of classroom work per week.

Elective for Freshmen. First semester. Professor C. Morgan.

**11s. Introduction to the History of Art.** Same description as Fine Arts 11. Three hours of classroom work per week.

Elective for Freshmen. Second semester. Professor Schmalz.

**15. Introductory Studio.** A series of studio projects to introduce fundamental problems of description, organization, and artistic expression. These projects will relate to selected topics in art history, with the aim of correlating creative experience with history and criticism. Various drawing mediums and painting techniques will be introduced. Two two-hour class periods per week, plus outside assignments. No prior studio experience is required or special talent expected.

Elective for Freshmen. First semester. Professor Maddox.

**H17s. Elementary Technique and Design.** Design, composition and line and form drawing in pencil, charcoal, crayon, pen and ink, and chalk. One lecture and two two-hour laboratory periods per week. No previous training required. A half course.

Elective for Freshmen. Second semester. Professor Rogers.

**22. Basic Design.** A series of problems in design to introduce the ideas of color, form, structure, texture and line, and their creative uses. In order to understand the fundamental need for man to design and decorate, emphasis will be placed on the occurrence of those qualities in all human artifacts. The work will be in both two and three dimensions and a variety of materials will be used. Two two-hour class periods per week.

Elective for Sophomores and Freshmen. Limited to 30 students. Second semester. Professor Maddox.

**23. Advanced Drawing.** Problems in drawing designed to extend and develop the student's knowledge and skill in the techniques and uses of drawing. Both descriptive and expressive approaches will be used in leading toward a personal method and style in drawing. Correlations between class-work and master drawings will be shown to give the student a sense of his relation to tradition. Two two-hour class periods per week. This course may be repeated.

Requisite: Fine Arts 15, H17, or permission of the instructor. Elective for Sophomores. First semester. Omitted 1967-68. Professor Maddox.

**26f. Watercolor.** Elementary color theory and technique of water-color painting. One lecture and two two-hour studio periods per week.

Requisite: Fine Arts 15 or H17. First semester. Professor Rogers.



**27s. Advanced Watercolor.** Extension of basic watercolor technique through exploration of the implications of subject matter and the expressive possibilities of combining media. Two three-hour studio periods per week.

Requisite: Fine Arts 15 or H17 and 26f. Elective for Sophomores. Second semester. Professor Schmalz.

**28f. Oil Painting.** A series of studio projects exploring a variety of techniques and forms of expression in oil painting. Relationship with master works will be considered where relevant, but the emphasis will increasingly stress the development of the student's individual powers of observation and interpretation. Two two-hour studio periods per week.

Requisite: Fine Arts 15 or H17. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Limited to 25 students. Professor Maddox.

**29. Advanced Oil Painting.** Continuation of work in oil at a more advanced level. This course may be repeated.

Requisite: Fine Arts 15 or H17 and 28f, or permission of the instructor. Elective for Sophomores. First semester. Omitted 1967-68.

**30. Ancient Arts.** A comparative study of the emergence, development and diffusion of artistic styles in the East and the West from pre-historic times to the early Christian era. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Elective for Sophomores. Second semester. Omitted 1967-68. Professor Westfall.

**33. Renaissance Art.** A selective examination of the form and content of European art from the early 15th to the end of the 16th centuries, with emphasis upon the major artists of Italy. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Elective for Sophomores. First semester. Professor Westfall.

**34f. Baroque and Rococo Art.** A study of major figures and movements in European art of the 17th and 18th centuries, including such masters as Rubens, Bernini, Rembrandt and Goya. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s or permission of the instructor. Elective for Sophomores. First semester. Professor Schmalz.

**H36. Michelangelo and Rodin.** A study of the artists, their works and their backgrounds. Two lectures a week and reading. A half course.

Elective for Sophomores. Second semester. Professor C. Morgan.

**37. The Origins of the Modern Movement.** A selective examination of major figures and movements in the development of European painting from Neo-Classicism to Impressionism, with emphasis on problems in criticism. Three

## AMHERST COLLEGE

hours of classroom work per week. Outside reading and written assignments.

Requisite: Fine Arts 11 or 11s, or permission of the instructor. Elective for Sophomores. First semester. To alternate with Fine Arts 39. Omitted 1967-68. Professor Trapp.

**38. American Art.** American architecture, sculpture and painting in America from the 17th century to the present day. Three hours of classroom work per week.

Elective for Sophomores. Second semester. Professor C. Morgan.

**39. Modern Art.** A selective examination of major figures and movements in the development of modern art from Post-Impressionism to the present, with emphasis upon problems in criticism. Three hours of classroom work per week.

Requisite: Fine Arts 11 or 11s or permission of the instructor. Elective for Sophomores. First semester. To alternate with Fine Arts 37. Omitted 1967-68. Professor Trapp.

**40. History of the City.** An investigation of the development and historical importance of cities, especially from the Renaissance to the present day. The analytical technique and literature of art history will be used. Emphasis will be placed upon the forms of city plans and of urban architecture in their relationship to cultural, historical, and environmental factors. Three one-hour class meetings per week.

Requisite: Fine Arts 11 or 11s; or History 11 or 11s and permission of the instructor. Second semester. Professor Westfall.

**47. Problems in Criticism and Connoisseurship.** A study of original works of art, chiefly from the college collections, intended to sharpen visual perception, establish critical principles and clarify verbal judgments. Emphasis will be placed on modern examples. Two two-hour meetings per week. With permission of the instructor, this course may be repeated.

Requisite: Fine Arts 11 or 11s plus one other course in art history, or permission of the instructor. Elective for Juniors. First semester. Professor Schmalz.

**48. Topics in Art History.** A critical examination of a variety of historical literature dealing with painting, sculpture and architecture. The chief aim of the course is to provide a deeper understanding of the methods, purpose and meaning of art history. Three hours of classroom per week.

Requisite: Fine Arts 11 or 11s plus one other course in art history, or permission of the instructor. Elective for Juniors. Second semester. Professor Westfall.

**77, D77; 78, D78. Conference Course.** Senior Honors. Preparation of an honors thesis or completion of a studio project.

The student shall with the consent of the Department elect to carry one semester of his honors work as a double course weighted in accordance with the demands of his particular project. Elective for Seniors with the consent of the Department. First and second semesters.

**97, H97, 98, H98. Special Studies for Student Majoring in Fine Arts.**

Full or half course. First and second semesters. The Department.

## FRENCH

Professors Carre,\* French and Turgeon; Associate Professor Giordanetti (Chairman); Assistant Professors Archambault and Cottrell; Mr. Jung; and assistants

*Major Program.* All rite majors must elect the equivalent of eight full courses including French 11 and 12, 7 or 8, 27 or 28. A maximum of four half courses can be included for credit in the elections. (Advanced placement may be accepted as a substitute for French 11 and/or 12 and will be allowed one full course credit toward the major. French 1 and 3 will not count toward the major for rite candidates).

*Honors Program.* All honors candidates must elect French 11 or 12 (Advanced Placement will be accepted as an equivalent), 8, 25, 27, 28, 30, 77, 78 and one additional full course or two half courses. In certain cases of demonstrated proficiency French 8 may be waived. French 1, 3, 5 will not count toward the major for honors candidates. This course program may, in exceptional cases, be adjusted. The comprehensive examination, required of all majors, is given in May of the senior year. In addition, candidates for departmental honors must present a thesis and sustain an oral examination on the thesis. A reading list will be furnished to aid in preparation for the examination.

Course programs for a joint major in French and Spanish, or French and Italian are arranged in consultation with the instructors in those languages.

*Distribution Sequences.* The following courses are recommended for distributional sequences in French: 7, 8; 11, 12; 12, 13; 12, 15; 27, 28; 11, 28; 11, 30; 13, 36; 15, 36; 15s, 35. Three-course distributional sequences may be arranged in consultation with the department.

**1. Elementary Course.** Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration, four hours per week in small sections and laboratory for oral practice.

Elective for Freshmen. First semester. Professor Turgeon and assistants.

\*On leave 1967-68.

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**3. Intermediate Course.** Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, three hours per week in small sections and laboratory for drill in aural comprehension of the language.

Elective for Freshmen. First semester. Professor Cottrell, Mr. Jung and assistants.

**3s. Intermediate Course.** Same description as above.

Elective for Freshmen. Second semester. Professor Turgeon.

**5. Advanced Course.** The purpose of this course is to complete the student's training in fluent reading and in aural comprehension, and to work toward a control of the fundamentals of oral and written expression. Reading of significant fiction, plays, and essays from the modern period. Three hours per week in class and three hours per week in small sections and laboratory for oral and aural drill. Conducted in French.

Elective for Freshmen. First semester. Professors Archambault and Cottrell, Mr. Jung and assistants.

**5s. Advanced Course.** Same description as above.

Elective for Freshmen. Second semester. Professor Archambault, Mr. Jung and assistants.

**7. Intermediate Composition and Conversation.** A review of French grammar with practice in set translation and free composition; oral reports on selected topics. Three hours per week of composition and two of oral practice. May not be elected after French 8.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. First semester. Professor Giordanetti and assistants.

**8. Advanced Composition and Conversation.** Practice in free composition and in set translation of examples of a variety of styles; oral reports on selected topics. Three hours per week of composition and two of practice in conversation.

Requisite: French 7 or permission of the instructor. Elective for Freshmen. Second semester. Professor Turgeon and assistants.

**11. Introduction to French Literature through the Seventeenth Century.** Reading and discussion of selected texts from *La Chanson de Roland* through the Age of Classicism. Conducted in French. Three hours of classroom work per week.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. First semester. Professor Giordanetti.

**12. Introduction to French Literature since the Seventeenth Century.** Reading and discussion of selected texts. Concentration will be on the eighteenth and nineteenth centuries with, as time permits, some introductory materials



from the twentieth century. Conducted in French. Three hours of classroom work per week.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. Second semester. Professor Giordanetti.

**13. The Nineteenth Century Novel.** The reading will include at least one novel each by Constant, Balzac, Stendhal and Flaubert. Conducted in French. Three hours of classroom work per week.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. First semester. Professor Archambault.

**15. Introduction to Modern Literature.** An introduction to the study of modern French literature with emphasis on the twentieth century novel, short story, theater and poetry. Conducted in French. Three hours of classroom work per week.

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. First semester. Mr. Jung.

**15s. Introduction to Modern Literature.** Same description as above.

Elective for Freshmen. Second semester. Professor Cottrell.

**22. French Literature of the Middle Ages.** A study of some major epic, lyric, and historical works of the Medieval period, with emphasis on Medieval attitudes towards history. Most of the readings will be in the original. Conducted in French. Three hours of classroom work per week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Professor Archambault.

**25. French Literature of the Renaissance.** Readings in Rabelais, Montaigne and the poets of the sixteenth century. Conducted in French. Three hours of classroom work per week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Professor French.

**27. French Classic Tragedy—Corneille and Racine.** A detailed study of the history and theory of French classic drama, with an analysis of the principal tragedies of Corneille and Racine. The philosophies of Descartes and Pascal are studied as background for the tragic authors. Three hours of classroom work per week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Omitted in 1967-68. Professor Turgeon.

**28. French Classic Comedy—Molière.** A detailed study of the principal comedies of Molière, and of the comic spirit as exemplified in La Fontaine and Boileau. Three hours of classroom work per week.



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Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Omitted in 1967-68. Professor Turgeon.

**30. French Literature of the Eighteenth Century.** A survey of French literature between 1690 and 1789 with concentration upon the "Philosophes." Conducted in French. Three hours of classroom work per week.

Requisite: An introductory course in French Literature. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Mr. Jung.

**35. French Drama Since 1890.** A survey of the principal trends in the modern theater with extensive readings from such authors as Claudel, Romains, Giraudoux, Anouilh, Camus, Ionesco, Beckett and Sartre. Three hours of classroom work per week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Professor Turgeon.

**36. Aspects of the Twentieth Century Novel.** Readings from Giono, Malraux, Sartre, Céline, and representatives of the *nouveau roman*. Conducted in French. Three hours of classroom work per week.

Requisite: An introductory course in French literature. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Professor Cottrell.

**H37. Albert Camus.** Readings in the works of Albert Camus. Two hours of classroom work per week. Conducted in French. A half course.

Requisite: Satisfaction of the language requirement in French. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Omitted 1967-68. Professor Carre.

**H38. André Gide.** Readings in the works of André Gide. Two hours of classroom work per week. Conducted in French. A half course.

Requisite: Satisfaction of the language requirement in French. Elective for Sophomores or Freshmen with the consent of the instructor. Second semester. Omitted 1967-68. Professor Cottrell.

**H39. Marcel Proust.** A study of *A La Recherche du Temps Perdu*. Two hours of classroom work per week. Conducted in French. A half course.

Requisite: Satisfaction of the language requirement in French. Elective for Sophomores or Freshmen with the consent of the instructor. First semester. Professor Cottrell.

**40. Modern French Poetry.** A study of the principal poetic movements of the nineteenth century and the first part of the twentieth century, with particular attention to the poetic practice of Baudelaire, Rimbaud, Mallarmé and Apollinaire. Three meetings per week. Conducted in French.

## GEOLOGY

Requisite: Satisfaction of the language requirement in French. Elective for Freshmen. Second semester. Omitted 1967-68. Professor Carre.

**77. Conference Course for Seniors.**

First semester. The Department.

**D78. Conference Course for Seniors.** A double course.

Second semester. The Department.

**97, H97. Special Topics.** Independent Reading Course. Full or half course.

Approval of the department chairman is required. First semester.

**98, H98. Special Topics.** Independent Reading Course. Full or half course.

Approval of the department chairman is required. Second semester.

## GEOLOGY

Professors Foose (Chairman), and Wood; Associate Professor Brophy; Assistant Professors Belt and Hand

*Major Program.* Course requirements for majoring in geology include Geology 11, 12, 21, H23, 24, 35, 41, 42, and 52. Students with adequate background may be excused from Geology 11 and/or 12. Minimum requirements in related sciences are Mathematics 12, Chemistry 31, and Physics 13 and 14. In addition, Mathematics 34 is strongly recommended. For students specifying a strong interest in paleontology, Biology 21 and 24 would be required in place of the physics courses. While the Problems of Inquiry course in the sciences is not required of all geology majors, it may, at the discretion of the departmental staff, be required of individual students in order to strengthen their background.

Inasmuch as levels of preparation may vary widely, any student who contemplates a major in geology is urged to discuss his interest with the departmental chairman as early as possible. This will help him elect a program that best fits his preparation, interests, and abilities.

At the end of the senior year each major shall take a comprehensive examination, both written and oral. Part I will encompass those subjects considered to form the basic body of knowledge in the science. Part II will include questions that synthesize geologic knowledge or deal specifically with the major interest of the student. Part III will be an oral examination by the staff and invited guests.

Students proceeding to graduate school should take the graduate record examination early in their senior year and should be aware that most graduate schools require reading proficiency in two languages (usually French, German, or Russian), and attendance at an accredited summer field camp in geology.

*Honors Program.* For a degree with honors, a student must have demonstrated ability to pursue independent work fruitfully and exhibit a

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strong motivation to engage in research. A thesis subject may be chosen in the junior year and must be chosen within the first month of the senior year. Geology 77, 78 involves independent research in the field or the laboratory that must be reported in a dissertation of high quality, due in April of the senior year. Participation in a senior seminar is required of all honors candidates.

*Distribution Sequences.* For fulfillment of the general distributional requirements, the following are suggested for non-geology majors. As a two-semester sequence, Geology 11 and 12 is designed to be relevant in an age in which most educated persons may expect to travel extensively and to observe or be intimately involved with many aspects of the earth. As a three-course sequence, Geology 11, 12, and 33 would be ideal. In order to meet specific interests, however, the third course may be Geology 21, 41 or 42.

Unless otherwise specified, all courses are open to freshmen.

**11. Principles of Physical Geology.** A study of the geologic processes operating on and under the earth's surface, and the character and origin of the earth's major features and its mineral resources. Principles will be studied and major features examined both in the laboratory and the field. Four hours class; three hours laboratory (or field) work each week, and one all-day field trip.

First semester. Professor Foose and Staff.

**11s. Principles of Physical Geology.** Same as Geology 11.

Second semester. Professor Foose and Staff.

**12. Historical Geology.** The history and development of the continents, and the evolution of life through the geologic past. Four hours class and two hours laboratory per week, and one all-day field trip.

Requisite: Geology 11. Second semester. Professor Hand and Staff.

**12f. Historical Geology.** Same as Geology 12.

First semester. Professor Belt and Staff.

**21. Mineralogy.** The study of minerals with emphasis on crystallography, crystal chemistry, and chemical-structural classification. The course will require identification of minerals and knowledge of their distribution, origin, and use. Laboratory studies of chemical and physical properties of minerals useful in mineral identification, including X-ray diffraction. Three hours class and three hours laboratory work per week.

Requisite: Geology 11 or permission of the instructor. First semester. Professor Brophy.

**H23. Optical Mineralogy.** The properties of isotropic, uniaxial, and biaxial substances in plane polarized light as well as observations of minerals using the petrographic microscope as a conoscope. Diagnostic optical properties of

the common rock-forming minerals are systematically described. Three hours combined lecture-laboratory each week. A half course.

Requisite: Geology 11 or permission of the instructor; concurrent with Geology 21. First semester. Professor Brophy.

**24. Petrology.** Identification and classification of common igneous and metamorphic rocks using the hand lens and petrographic microscope. Rock genesis is related to field and petrographic associations as well as phase equilibria in simple systems. One two-day field trip required, as well as trips of lesser duration. Three hours class and four hours of laboratory work per week.

Requisite: Geology 21 and H23. Second semester. Professor Brophy.

**H30. Mineral Resources in World Affairs.** Distribution and use of soils, ground water, metallic and non-metallic minerals deposits, and mineral fuels, and the role they assume in world affairs today. Two hours class and one hour of laboratory work per week. A half course.

Elective for non-geology majors. Second semester. Professor Brophy.

**33. Geomorphology and Glacial Geology.** Interpretation of land forms and their development by geological processes, tectonic activity, and climatic environment, based on field and aerial photographic studies. Geochronology of Pleistocene time. Two hours class and three hours laboratory each week.

Requisite: Geology 12. First semester. Professor Belt.

**35. Structural Geology.** A descriptive and analytical study of sedimentary and igneous rock structures, and of the causes of deformation within the context of regional tectonic frameworks. Geologic structures will be studied and mapped in the field in areas of sedimentary and metamorphic rocks during the laboratory. Two hours class and four hours laboratory each week.

Requisite: Geology 24. First semester. Professor Foose.

**41. Sedimentology and Stratigraphy.** A study of ancient sediments and their modern analogs. Emphasis is placed on the dynamic processes of transport, deposition, interaction between organisms and sediment and diagenesis. Laboratory will include thin-section analysis using the petrographic microscope. Regional interpretation and principles of stratigraphic correlation. Three hours class and three hours laboratory each week.

Requisite: Geology 12. First semester. Professor Hand.

**42. Invertebrate Paleontology.** A study of invertebrate organisms and their development through geologic time, as indicated by the fossil record. Ecology of ancient faunas, population analysis, influence of organisms on sediments, and the use of fossils in solving biostratigraphic problems. Three hours class and three hours laboratory each week.

Requisite: Geology 12 or Biology 22. Second semester. Professor Belt.



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**45. Vertebrate Paleontology.** The evolution of vertebrates as shown by the study of fossils, and the relationship of environment to evolution. Three hours class and four hours laboratory work each week. Same course as Biology 45.

Requisite: Geology 12 or Biology 24. Elective for Juniors. Limited to twelve students. First semester. Professor Wood.

**46. Economic Geology.** Origin, occurrence, distribution, uses, and production of mineral fuels, metalliferous minerals (ore deposits), and industrial minerals (non-metallics). Laboratory devoted to studies of important mining districts, examination of raw materials and their geologic relations, and to a solution of geologic problems related to their occurrence. Two hours class and four hours laboratory each week.

Requisite: Geology 24 and 35. Second semester. Professors Brophy and Foose.

**52. Field Geology.** Theory and application of the techniques and methods available to the geologist for measurement of earth features and phenomena. Reconnaissance and detailed surveying techniques and geochemical and geophysical methods will be employed, including an independent geological mapping program. Participation in a senior seminar and a senior thesis are required. (Honors program may be substituted for the senior thesis.) Six hours of directed field (or laboratory) work each week.

Requisite: Geology 35: Second semester. Professor Foose and Staff.

**77, 78. Geology Honors.** Independent research on a geologic problem within any area of staff competence. A dissertation of high quality will be required. A seminar covering a broad spectrum of geologic problems or world regions is included.

Elective for seniors who meet the requirements of the honors program. First and second semesters. The Staff.

**97, H97, 98, H98. Special Topics.** Independent Reading. Full or half courses.

Approval of the departmental chairman is required. First and second semesters.

## GERMAN

Professors Peppard (Chairman), and Scenna;\* Associate Professor White; and assistant

*Major Program.* The major must include the following courses: German 11, 21, 22, 23, 28, 36, 97 or 98, and two half-courses.

A major in German will take a written examination in May of his senior

\*On leave second semester 1967-68.



year. A reading list will be suggested to aid in the preparation for this examination. The examination will be based on the following:

1. major works of Lessing, Goethe, and Schiller;
2. representative works by authors of the 19th century;
3. works by an author of the candidate's choice.

A major must also demonstrate his ability to write correct German.

*Honors Program.* In addition to the courses required for a rite major, candidates for honors must complete German 77, 78, and must present a thesis. They are urged to study an ancient or one other modern foreign language.

The aim of honors work in German is to offer the candidate the opportunity (a) to explore a chosen field or fields through a more extensive program of readings than is possible in course work; (b) to organize material for himself along historical or analytical lines, usually in the form of a thesis or essay; (c) to acquire a general view of the history and development of German literature or language.

Each candidate will present a thesis or essay on an approved topic. It may deal critically with the work of a specific author; it may treat the development of an idea in historical form; it may be a study of some particular literary form.

Each candidate will take, early in May, a written general examination on the history of German literature, which will also include questions in his chosen field. The result of this examination together with the excellence of the thesis or essay will determine the degree of honors for which the Department will recommend the candidate.

*Distribution Sequences.* A two-course sequence will consist of German 11 plus one higher numbered full course. A three-course sequence will consist of German 11 plus two higher numbered full courses.

**1. Elementary Course.** Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration and three hours per week in the language laboratory for oral practice.

Elective for Freshmen. First semester. Professor White.

**3. Intermediate Course.** Review of grammar and pronunciation, oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, and three hours per week in small sections for drill in comprehension of the spoken language. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test.

Elective for Freshmen. First semester. Professor Scenna.

**3s. Intermediate Course.** Same description as above.

Requisite: German 1, or its equivalent. Elective for Freshmen. Second semester. Professor White.

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**5. Advanced Course.** Reading and analysis of selected texts. Three hours per week for demonstration and explanation, and three hours per week in small sections for oral practice and discussion. Stress will be placed on comprehension of the spoken language and oral drill. Conducted in German.

Requisite: A satisfactory score in the CEEB Achievement Test, or German 3, or the equivalent. Elective for Freshmen. First semester. Professor Peppard.

**5s. Advanced Course.** Same description as above.

Requisite: German 3 or its equivalent. Elective for Freshmen. Second semester. Professor Peppard.

*Freshmen will be assigned to German 1, German 3, or German 5 on the basis of the score in the CEEB Achievement Test and previous training. Part of the drill in these courses will be in the language laboratory.*

**7, 8. Reading Course.** A year course open to those who have already satisfied their language requirement in another language and who desire a reading knowledge of German. Three hours per week.

Elective for Sophomores. First and second semesters. Offered in alternate years. Professors Scenna and Peppard.

**11. Introduction to German Literature.** Reading and discussion of selected literary texts. This course will be conducted in German. Three hours of classroom work per week.

Requisite: satisfaction of the language requirement. Elective for Freshmen. First semester. Professor Peppard.

**11s. Introduction to German Literature.** Same description as above.

Requisite: satisfaction of the language requirement, including satisfaction of the requirement at the end of the first semester. Elective for Freshmen. Second semester. Professor White.

**21. The Age of Goethe.** The development of German literature from the middle of the eighteenth century to the death of Goethe. Selected readings from the works of Lessing, Goethe, Schiller and romantic authors. Background readings, lectures, and discussion. Three hours per week.

Requisite: German 11. Elective for Freshmen. First semester. Professor Peppard.

**22. German Literature of the Nineteenth Century.** The development of German literature from the Age of Goethe to the turn of the century. Selected readings, lectures, and discussion. Three hours per week.

Requisite: German 11. Elective for Freshmen. Second semester. Professor Peppard.

**23. Goethe's Faust.** *Faust*, Parts I and II. A study of the Faust legend, lectures, and assigned readings. Three hours per week.

Requisite: German 11. Elective for Freshmen. First semester. Professor White.

**28. Advanced Composition and Conversation.** Practice in free composition in German. Exercises in pronunciation and idiomatic conversation, with supplementary practice in the language laboratory. Oral reports on selected topics. Conducted in German. Three hours per week.

Requisite: consent of the instructor. Elective for Sophomores. Second semester. Offered in alternate years. Omitted 1967-68.

**H31. Thomas Mann.** Readings in the shorter works of Thomas Mann. Lectures and discussion. Two hours per week. A half course.

Requisite: German 11. Elective for Juniors. First semester. Offered every fourth semester. Professor Scenna.

**H32. Franz Kafka.** A study of Kafka's shorter works. Lectures and discussion. Two hours per week. A half course.

Requisite: German 11. Elective for Juniors. Second semester. Offered every fourth semester. Professor White.

**H33. German Poetry of the Twentieth Century.** Interpretation of German verse of the period, with emphasis on George, Kilke, Hofmannsthal, the Expressionists, and post-World War II poets. Two hours per week. A half course.

Requisite: German 11. Elective for Juniors. First semester. Offered every fourth semester. Omitted 1967-68.

**H34. German Drama of the Twentieth Century.** Interpretation of German drama of the period, with emphasis on the Expressionists, Brecht, and post-World War II dramatists. Two hours per week. A half course.

Requisite: German 11. Elective for Juniors. Second semester. Offered every fourth semester. Omitted 1967-68.

**36f. Modern German Literature in Translation.** Selected German novels, novellas, and plays, from Goethe to the present, to be read in English translation. Works by such authors as Goethe, Kleist, Mann, Hesse, Brecht. Three hours per week.

Elective for Juniors. First semester. Offered in alternate years. Omitted 1967-68.

**77, 78. Honors Course for Seniors.**

First and second semesters. The Department.

**97. Special Topics.** Independent Reading Course.

First semester. Professor Peppard.

**98. Special Topics.** Independent Reading Course.

Second semester. Professor Peppard.

## HISTORY

Professors Commager, Greene, Halsted (Chairman), Havighurst, Rozwenc and Ward;\* Associate Professors Czap,\* Gifford and Hawkins; Assistant Professors Cheyette, Fruchtbaum,\* Kidner, Levin, R. Moore, Petropulos and Ratté

*Major Program.* Every student choosing history as his major field of study will be assigned a departmental advisor. With the help of his advisor the student will move toward the definition of both a primary and a secondary field of concentration for his historical studies. The procedures for a major in history are designed: (a) to allow the individual student considerable freedom in defining his own fields of study; (b) to assist him in choosing those fields wisely; and (c) to enable him to demonstrate in senior year an understanding of his chosen fields and possibly of some of the relations between them.

Primary and secondary fields may be developed along the traditional lines of geography and chronology (e.g. a primary concentration on European history before 1700 or from the Renaissance to the French Revolution or since 1815; a secondary concentration on the history of the Far East, or of Russia, or of the Americas). The student may, however, choose to develop a more topical definition of one or both of his fields (e.g. intellectual history and the history of science in Europe and America since Newton or the "modernization" process in "traditional" societies like Russia, Japan, and the Middle East or the historical context for totalitarianism in Germany, Russia, and China). Primary and secondary fields should be broadly defined. If a major chooses to define a field chronologically, the period covered should be more than fifty years. Obviously the final definitions of a student's fields under this program will come only as his historical sophistication develops in his early courses and only in continuing consultations with his advisor. A primary field should involve the equivalent of four semester courses, a secondary field the equivalent of two semester courses. In some cases it may be reasonable to give credit toward a history major for one course offered by another department (e.g. the history of philosophy, of art, or of political thought). Occasionally the student may need to fill out a field through independent reading.

The general procedures for completing a major in history include the following steps:

1. History 11 or 11s (Introduction to History).
2. Eight other semester courses in history.
3. Submitting, by May 1 of the student's junior year, a definition of his primary and secondary fields of concentration, two questions focusing upon limited and significant aspects of his primary field, and a general

\*On leave 1967-68.



bibliography of works in his primary field for which he is willing to be responsible on his senior orals. The bibliography should list about twenty titles ranging from monographic studies to general interpretive essays. Text books and standard surveys should not be included.

4. Submitting, by October 15 of the student's senior year, (a) a sixteen-page paper on one or both of the two questions he has raised for himself about his primary field. (The paper should have a pertinent bibliography attached. The student will define the length and scope of the bibliography. If a major decides to write on only one of the two questions asked in his primary field he should submit a bibliography for the question not written on. He will be responsible for defining the length and scope of this bibliography as well); (b) a general bibliography of about ten titles relating to his secondary field which meets the requirements stated above for the primary field bibliography; and (c) one question on his secondary field or a topic in comparative history.

5. Submitting, by February 1 of the student's senior year, either of two alternatives: (a) an eight-page paper dealing with the question he has raised for himself about his secondary field plus a pertinent bibliography; or (b) an eight-page paper on the topic he has set for himself in comparative history plus a pertinent bibliography. Majors should plan to submit their papers on primary and secondary fields to their advisors somewhat in advance of the due dates so that their advisors can suggest corrections and revisions to be incorporated in the final drafts submitted on the actual due dates.

6. A senior orals examination in April or May in which the student will be questioned about the three questions and the bibliographies he has submitted.

*Honors Program.* Candidates for honors in history will also include History 77-78 (the writing of a thesis) among their eight departmental courses beyond History 11 or 11s. With special permission of the department majors who are not candidates for honors will be admitted to History 77 and/or 78.

*Distribution Sequences.* A three-course departmental sequence may be fulfilled by History 11 or 11s and any two courses which are related chronologically or topically. The following pairs of courses meet this requirement:

23-24	31-59	33-42	39-37	48-62	56-60
23-39	32-38	33-52	39-38	48-46	56-66
23-51	32-52	33-56	41-42	51-52	59-58
23-45	32-48	33-62	41-46	55-56	61-55
29-30	32-33	37-61	42-44	55-57	61-59
29-31	32-56	37-38	42-52	55-58	63-64
31-32	33-34	38-48	45-46	55-66	
31-41	33-48	38-56	46-47	56-57	

Any other sequence must be approved by the department.



## AMHERST COLLEGE

A two-course departmental sequence will normally be fulfilled by History 11 or 11s and a course of the student's selection. Exceptions must be approved by the department.

Unless otherwise specified all courses are open to freshmen and will ordinarily meet three times per week.

**11. An Introduction to History.** To develop in the student an awareness of what the historian does and what problems he encounters when he sets out to write the history of the past, the introductory course in history will consist of an intensive examination of different views of an important moment in history.

Required for all majors. Majors or prospective majors are advised to take this course as early as possible. First semester. The Department.

**11s. An Introduction to History.** Same course as History 11.  
Second semester. The Department.

**21. The Development of European Society I.**  
First semester. Omitted 1967-68.

**22. The Development of European Society II.** Main topics in the history of Europe from the eighteenth century to the present.

Not to be taken by students who have had History 2 in the former curriculum. Second semester. Professor Ratté.

**23. Medieval Europe.** An introduction to medieval European society. Readings and discussion on selected topics of institutional and social history, concentrating on the period from Late Empire to the 13th century. One three-hour class meeting per week.

First semester. Professor Cheyette.

**24. Renaissance Society.** An introduction to European societies 1300-1600. Readings and discussion on the Church in the late Middle Ages; the Italian Renaissance cities and Renaissance Monarchy.

Second semester. Professor Cheyette.

**25s. The European Mind, Abelard to Luther.** The major trends of European thought in the Middle Ages and Renaissance as seen through a study of two or three major figures. The seminar will concentrate on Machiavelli during the first half of the semester. One three-hour class meeting per week.

Requisite: History 23, 24, or Philosophy 17, or consent of the instructor. Second semester. Professor Cheyette.

**29. The Eighteenth Century and the French Revolution, 1660-1815.** A survey of Western Europe from the late seventeenth century through the Napoleonic period with a concentration on France, England and Germany. Emphasis will be placed on the structure of European society under the Old

Regime, the nature of Enlightened Despotism, the French Enlightenment, the outbreak and course of the Revolution in France and the effect of the French Revolution on the rest of Europe. Lectures and discussion.

First semester. Professor Kidner.

**30. Problems in Eighteenth Century History, 1660–1815.** A seminar course designed to provide students with an opportunity to explore in some detail selected problems in eighteenth century history. Emphasis will be on source readings, class discussions, class reports and a term paper. Several topics will be examined in the course of the semester. Topics to be considered include: the nature of Bourbon absolutism from Louis XIV to Louis XVI, Church-State relationships in the eighteenth century, the influence of the French Enlightenment on the Revolution of 1789, the relationship between the French Revolution and other revolutionary disturbances of the late eighteenth century, the French idea of the nature and function of Revolution, the nature of French revolutionary foreign policy. A reading knowledge of French is desirable but not necessary. One seminar meeting per week.

Requisite: History 48 or consent of the instructor. Second semester. Professor Kidner.

**31. Europe in the Nineteenth Century: History of Ideas.** Ideas and social change in Europe from the French Revolution to the end of the century. This course will emphasize the relations of the arts, philosophy, and the study of society to social developments. Possible illustrative topics include: (1) the Romantic Movement; (2) the Conflict of Science and Religion; (3) the Development of the Social Sciences; (4) Irrationalism and the *fin de siècle*.

First semester. Omitted 1967–68. Professor Halsted.

**32. Europe in the Nineteenth Century: Politics and Society.** Two topics will be selected from the political and social history of 19th Century Europe. One will center upon a major development of international significance with a limited chronological span, such as the First Industrial Revolution, the Revolutions of 1848, or Imperialism. The other will trace through the century a political and social movement dominated by ideology (Liberalism, or Socialism, or Nationalism) and will include a detailed investigation of relevant aspects within a relatively brief period of the history and culture of one European state, e.g. Nationalism in Italy, 1848–1860, or Socialism in France, 1870–1900.

Second semester. Professor Halsted.

**33. Europe in the Twentieth Century.** A survey of the political, social and cultural history of Europe in the context of emerging world civilization, 1890 to the present. Lectures focus on diplomacy, war, economic and social change; discussion meetings consider critical responses to modern society and culture in the works of Lenin, Freud, the fascist ideologues, Orwell, Koestler, Gide, Milosz, Camus, and others.

First semester. Professor Ratté.

**34. Topics in Contemporary Intellectual History.** The seminar considers both methodological problems (social context, biography, and influence) and specific topics in the history of ideas in the 20th century, of which the following are typical: scholarship and social theory; religion and scientific progress; the ideological novel; intellectuals in politics; socialism and social reform. Papers and discussion. One meeting per week. Limited to 15 students.

Requisite: History 33 or an equivalent course in another institution. Second semester. Professor Ratté.

**37. English History: Tudors and Stuarts.** An examination of English society and institutions from 1485 to 1714: the securing of the Tudor dynasty; the Henrician break with Rome and the Elizabethan Settlement in religion; the Elizabethan Age; constitutional, religious and social conflicts of the seventeenth century; the Revolution Settlement in England, Scotland and Ireland.

First semester. Professor Havighurst.

**38. Britain since 1815.** A study of some of the fundamental changes in English society and institutions from 1815 to the present. Chief topics to be examined: the eighteenth century background; the condition of England, 1815; Victorian reform and compromise; factors in foreign policy; social thought and social change, 1870-1914; Socialist Britain, 1945-1965; from Empire to Commonwealth.

Second semester. Professor Havighurst.

**39. Foundations of English Law and the Constitution.** Origins of the English Constitution; Growth of Common Law; Evolution of Parliament; Development of Monarchy; Major Constitutional Issues since 1485. Lectures, discussion and individual projects.

First semester. Professor Havighurst.

**41. Russia.** The history of Imperial Russia until 1894. The course will include a brief discussion of Russia's Kievan and Muscovite background and will emphasize the development of political institutions, the growth and collapse of serfdom, the village commune, the agrarian problem and the impact of industrialization in the post-Emancipation period, and the growth of revolutionary thought and action.

First semester. Omitted 1967-68.

**42. Russia.** The history of Russia and the Soviet Union in the twentieth century. The course will include a discussion of the constitutional monarchy, the 1917 revolutions and establishment of the Soviet regime, and will survey the development of agriculture and industry and the evolution of the Communist party through the post-war years.

Second semester. Omitted 1967-68.

**44. Topics in Russian History.** The seminar will consider the Russian Revolution as extending from 1917 to 1933. It will investigate the reestablish-

ment of social and economic stability within Russian society after October, 1917. Papers and discussion. One seminar meeting per week.

Admission by consent of the instructor. Second semester. Omitted 1967–68. Professor Czap.

**45. Early Japanese History.** An introduction to the history of Japan from earliest times to 1600. The course will examine through readings and lectures (1) formation of the imperial institution in early tribal society, (2) contact with China and development of an aristocratic society, and (3) evolution of regional power groups and feudal institutions to 1600. Emphasis will be on relationships between land systems and political and social structures, and the development of a distinctive cultural style in three major periods of Japanese history.

First semester. Omitted 1967–68. Professor R. Moore.

**46. Modern Japanese History.** An introduction to the history of Japan in recent times. Readings and lectures on Japan's political and intellectual responses to the West in the 19th and 20th centuries and the process of modernization. Brief treatment of traditional society; the origins of political, economic and social modernization; the rise of revolutionary nationalism and Japan's international relations leading to the second world war, defeat and the American occupation; and developments since the war.

Second semester. Professor R. Moore.

**47s. Topics in Japanese History.** Readings, student reports and class discussion will center on selected problems of modernization in Japan. Though topics will vary from year to year, the following are typical: the role of tradition in Japan's modernization, leadership and political modernization, revolutionary nationalism and foreign affairs, the American occupation. Students without knowledge of modern Japanese history will be required to do extra reading during the first two weeks. One two-hour meeting each week.

Second semester. Professor R. Moore.

**48f. Modern East Asia and the West.** Intensive reading and class discussion of problems arising from the Western impact on China, Japan and Korea since the middle of the 19th century. Special consideration is given to differences in the Chinese and Japanese reaction to the West and their attempts to modernize.

First semester. Professor R. Moore.

**51. The Middle East.** From the birth of Islam in the seventh century A.D. to 1300. Special emphasis will be placed on the nature of Islamic society and thought, the formation of an Islamic civilization, and the interaction of Arabs, Persians, and Turks.

First semester. Professor Petropulos.



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**52. The Middle East.** From the rise of the Ottoman Turks around 1300 and the formation of the Ottoman empire to the emergence of successor nation-states in the twentieth century. Topics receiving special emphasis: changes in the nature of Ottoman state and society, the impact of the West and alternative attempts to reform and modernize, the contrasting experiences of Arabs, Turks, and Persians before and after World War I.

Second semester. Professor Petropulos.

**54. Seminar on Modern Turkey.** Selected topics on political reform, economic development and cultural change in the context of the international setting. On the basis of a common body of reading at the outset, the class will define a broad problem and each student will select one aspect of this problem for individual research and classroom discussion. One two-hour session per week.

Limited to eight students. Second semester. Omitted 1967-68. Professor Petropulos.

**55. The History of American Society.** The changing relations in American social thought and behavior in the generations from the American Revolution to the end of the Civil War. Emphasis is given to basic political, economic and social institutions, to the place of science and technology in American society, and to competing ideas and social myths.

First semester. Professor Rozwenc.

**56. The History of American Society.** The changing relations in American social thought and behavior in the generations from the Gilded Age to the present. Emphasis is given to basic political, economic and social institutions, to the place of science and technology in American society, and to competing ideas and social myths.

Second semester. Professor Rozwenc.

**57. Seminar in Southern History.** Selected topics, with emphasis on the forces that have affected Southern particularism. One two-hour and one one-hour meeting weekly.

Limited to fifteen students. First semester. Professor Hawkins.

**58. The Progressive Generation.** A study of the responses to change made by Americans in the generation from 1890 to 1920. By concentrating upon a single generation the course will explore some of the interrelations among politics, literature, business, the professions, religion, and popular culture. One seminar meeting weekly.

Limited to fifteen students. Second semester. Professor Greene.

**59. Society and Politics in the Jacksonian Era.** An intensive examination of the social and economic changes in America in the early nineteenth century and their implications for the practice of politics and the content of American democratic ideology.

First semester. Omitted 1967-68. Professor Ward.



**60. Society and Politics in the Era of the New Deal.** An intensive examination of the changes in power and ideology during the 1930's. One seminar meeting weekly.

Limited to fifteen students. Second semester. Omitted 1967-68. Professor Rozwenc.

**61. Foundations of American Civilization.** An analysis of the first five generations of Americans (from early settlers through the Revolutionary generation) with emphasis upon the origins of certain fundamental themes in American history: social classes, immigration, European-American relations, frontier vs. city, science vs. religion, and constitutional democracy.

First semester. Professor Greene.

**62. American Diplomatic History.** The history of American foreign relations from the Revolution to the present, with emphasis on the manner in which, since 1898, domestic and international forces have combined to make American foreign policy one of the main determinants of world politics.

Second semester. Professor Levin.

**63. Conference Course in American Intellectual History.** This course will consist of reading, discussion and reports on some of the significant books of American intellectual history. One seminar meeting weekly.

Elective for Juniors with permission of instructor. First semester. Professor Commager.

**64. Conference Course in American Intellectual History.** Continuation of History 63. One seminar meeting weekly.

Elective for Juniors with permission of instructor. Second semester. Professor Commager.

**66. Seminar in American Educational History.** Selected topics from the colonial period to the present with emphasis on tensions between autonomous institutional standards and the needs and ideals of the general society. One two-hour and one one-hour meeting weekly.

Limited to fifteen students. Second semester. Professor Hawkins.

**69. History of Science: The Darwinian Revolution.** Themes in the history of nineteenth century science with the focus on the work and influence of Darwin, his predecessors, opponents and followers. The role of biology, physics, and the sciences of man in shaping the modern world view is examined. One two-and-a-half hour meeting per week.

Elective for Juniors, and, with the permission of the instructor, for Sophomores. First semester. Omitted 1967-68. Professor Fruchtbau.

**70. History of Science: Science in America.** A history of scientific ideas and institutions in America from the colonial period to the twentieth century. Lectures and discussions will consider the mutual impact of science and American culture. One meeting of two and one-half hours per week.

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Elective for Juniors and for Sophomores with the consent of the instructor. Second semester. Omitted 1967–68. Professor Fruchtbaum.

**73. History and Theory.** Readings in classic works of historical writing, philosophy of history, and historically oriented social theory. Selections will be drawn from the works of such authors as Thucydides, St. Augustine, Vico, Voltaire, Gibbon, Hegel, Marx, Henry Adams, Dilthey and Max Weber. One seminar meeting per week.

First semester. Professor Halsted.

**75. Seminar in Comparative History.** This year the seminar will be devoted to an intensive examination of the modernization process in two traditional societies—Japan and Turkey. Readings, class discussions and papers on two or three major problems of modernization drawn from the experience of Japan and Turkey since the 19th century. One two-hour meeting per week.

Elective for Juniors and Seniors, with consent of the instructors. First semester. Professors Petropulos and R. Moore.

**76. Seminar in Comparative Colonial History.** Readings, discussion and essays focusing on the creation and maintenance of "the colonial situation" by European powers and their consequences. Emphasis will be placed upon Africa in the 19th and early 20th centuries. One three-hour meeting per week.

Limited to fifteen students. Elective for Juniors and Seniors. Second semester. Professor Gifford.

**77. Conference Course. Senior Honors.** Preparation of an honors thesis.

Elective for Seniors with the consent of the Department. With special permission of the department, students who are not candidates for honors may elect History 77 and/or History 78. First semester. The Department.

**D78. Conference Course. Senior Honors.** Preparation of an honors thesis. A double course.

Elective for Seniors with the consent of the Department. With special permission of the department, students who are not candidates for honors may elect History 77 and/or History 78. Second semester. The Department.

**97. Special Topics.** Independent Reading Course.

First semester.

**98. Special Topics.** Independent Reading Course.

Second semester.

## ITALIAN

Professor French, Associate Professor Giordanetti

*Major Program.* A combined major may be arranged by consultation. Note also under French and Spanish, the description of combined majors with Italian.

## MATHEMATICS

*Distribution Sequences.* Sequence of two: Italian 12, 23 or Italian 12, 24.  
Sequence of three: Italian 12, 23, 24.

**1. Italian Language.** An intensive course in language: recognition and imitation of basic sentence patterns, vocabulary and verb forms. Oral-aural drill on readings. Per week: four class hours and three hours of practice with instructor or in laboratory.

Elective for Freshmen. First semester. Professor French.

**12. Readings in Italian Literature.** Theater, such as Pirandello, *Enrico IV*; short story such as Verga, *Cavalleria rusticana*; novel such as Pavese, *Paesi tuoi*; poetry such as that of Quasimodo. Three hours per week.

Requisite: Italian 1. Elective for Freshmen. Second semester. Professor Giordanetti.

**23. Dante.** A reading of the *Inferno* and parts of the *Purgatorio* and *Paradiso*. Special study of the social and political background of the work. Reports and papers. Three hours of classroom per week.

Requisite: Italian 12. Elective for Sophomores. First semester. Professor French.

**24. Literature of the Italian Renaissance.** Origins in Boccaccio's *Decamerone* and Petrarch's *Canzoniere*. Reading of Cellini's *Vita*, Castiglione's *Cortegiano*, Machiavelli's *Principe*, etc., with study of the social background of the fifteenth and sixteenth centuries. Reports and papers. Three hours of classroom per week.

Requisite: Italian 12. Elective for Sophomores. Second semester. Professor French.

**97, H97; 98, H98. Special Topics.** Full or half courses.

First and second semesters.

## MATHEMATICS

Professors Breusch (Chairman), Brown and Wilcox;\* Associate Professor Bailey; Assistant Professors Crabtree, Denton, Starr and Wilcox

*Major Program.* The basic minimum course requirements for a major are Mathematics 11, 12, 21, 22, 23, 25 and at least three more courses in mathematics. Beginning with the class of 1970, either Physics 13-14 or Problems of Inquiry 3 must be elected. A student with an acceptable grade on the Advanced Placement Examination in Mathematics may be excused from 11.

A comprehensive examination for honors students will be given toward the end of the first semester of their senior year. For other majors, the comprehensive examination will be given during the second semester of their senior year. In each case, the questions will be taken from the subjects covered in the required courses.

\*On leave 1967-68.

## AMHERST COLLEGE

A student considering a major in mathematics should consult with a member of the Department as early as possible, preferably during his freshman year. This will enable him to arrange a program best suited to his ability and interest, whether it be in mathematics, secondary school teaching, or a non-mathematical career. If possible, he should complete two courses during his freshman year, and he should have completed all required courses by the end of his junior year.

For a student considering graduate study in mathematics, an honors program and a reading knowledge of two foreign languages (usually German, French or Russian) are extremely desirable. Such a student is advised to take the Graduate Record Examination early in his senior year.

*Honors Program.* For a degree with honors, the following additional courses are required:

*Class of 1968 and 1969:* Mathematics 43, 77, 78.

*Class of 1970 and thereafter:* Mathematics 43, 77, 78, Physics 13, 14. Before the Christmas recess of the senior year, an individual thesis topic will be selected by an honors candidate in conference with a member of the Department. After an intensive study of this topic, the candidate will write a report in the form of a thesis which should be original in its presentation of the material, if not in content. Honors students are expected to attend the mathematics seminar during their junior and senior years, and they will report to the seminar on their thesis work during their senior year.

*Distribution Sequences.* For fulfillment of the general distributional requirements, the following sequences are suggested for non-mathematics majors: 11-12 or 11-34 as two-semester sequences; 11, 12, 21 as a three-semester sequence.

**11. Introduction to the Calculus.** Basic concepts of analytic geometry; limits, derivatives, antiderivatives; differentiation of algebraic functions, applications; the definite integral, simple applications; circular functions and their inverses, logarithms and exponential functions; integration techniques; coordinate transformations, conic sections. Four class hours per week.

Elective for Freshmen. First semester. The Department.

**11s. Introduction to the Calculus.** Same description as above.

Second semester. The Department.

**12. Intermediate Calculus and Linear Algebra.** Review of the basic concepts of the calculus, with more stress on rigor; indeterminate forms, improper integrals, differentials, polar coordinates, parametric equations; the mean value theorem, Taylor's theorem with applications; a first introduction to infinite series. An introduction to the study of finite-dimensional vector spaces, linear transformations, and matrices; the emphasis will be on Euclidean spaces. Four class hours per week.



Requisite: a grade of 65 or better in Mathematics 11 or the former Science 1-2, an acceptable grade on the Advanced Placement Examination, or the consent of the Department. Elective for Freshmen. Second semester. The Department.

**12f. Intermediate Calculus and Linear Algebra.** Same description as above.

Elective for Freshmen. First semester. The Department.

**21. Multivariable Calculus.** Functions of several variables, continuity, partial derivatives; the chain rule; coordinate transformations, cylindrical and spherical coordinates; curves and surfaces; Taylor's theorem, extrema; multiple integrals, applications; line integrals; series. Four class hours per week.

Requisite: a grade of 70 or better in Mathematics 12 or the consent of the instructor. (The former Mathematics 3 will not be sufficient as a requisite for this course.) Elective for Sophomores. First semester. Professor Starr.

**21s. Multivariable Calculus.** Same description as above.

Requisite: Same as above. Elective for Freshmen. Second semester. Professor Breusch.

**22f. Advanced Calculus.** Basic topological concepts in  $n$ -space; theorems on compact sets, and on functions which are continuous on compact sets; implicit functions; measures of point sets, Riemann integrals in  $n$ -space; surface area, surface integrals, the divergence theorem; differential forms, Stokes' theorem; Fourier series, applied in the solution of simple partial differential equations. Selections from one or two of the following topics: metric spaces; Fourier integrals; the calculus of variations. Four class hours per week.

Requisite: Mathematics 21. Elective for Sophomores. First semester. Professor Breusch.

**22. Advanced Calculus.** Same description as above.

Requisite: Mathematics 21. Elective for Sophomores. Second semester. Professor Starr.

**H23. Differential Equations.** An introduction to the theory and methods of solution of ordinary differential equations; a brief treatment of several types of first order equations will be followed by a more thorough study of linear equations, and systems of linear equations. Two class hours per week. A half course. This half course may be paired with Physics H21, the pair to be counted as equivalent to one full course.

Requisite: Mathematics 12. Elective for Sophomores. First semester. Professor Crabtree.

**25. Algebra I.** A brief consideration of properties of sets, mappings, and the system of integers, followed by an introduction to the theory of groups and rings including the principal theorems on homomorphisms and the related quotient structures; integral domains, fields, polynomial rings. Four class hours per week.



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Elective for Sophomores. First semester. Professor Brown.

**26. Algebra II.** A continuation of the study of a finite-dimensional abstract vector space and the algebra of linear transformations which act on it, together with the isomorphic algebra of matrices; the dual space, the effect of a change of basis, invariant subspaces, minimal polynomial of a transformation, characteristic vectors, various canonical forms. Four class hours per week.

Requisites: Mathematics 12 and 25. Elective for Sophomores. Second semester. Professor Brown.

**33. Theory of Numbers.** An introduction to the theory of rational integers; divisibility, the unique factorization theorem; congruences, quadratic residues. Selections from the following topics: Diophantine equations; Waring's problem; asymptotic prime number estimates; continued fractions; algebraic integers, unique factorization domains. Four class hours per week.

Elective for Sophomores. First semester, alternate years. Omitted 1967-68.

**34. Introduction to Probability and Statistics.** Elementary probability, including statements of the law of large numbers, and the central limit theorem; joint distribution functions; distribution functions of frequent occurrence in statistics, such as the Normal, Poisson, Chi square and Student's  $t$ , and their use in hypothesis testing and estimation; roles of the law of large numbers and the central limit theorem in hypothesis testing and estimation (including errors of type I and type II); a brief introduction to non-parametric methods. Four class hours per week.

Requisite: Mathematics 11 (or the former Science 1-2). Except with special permission of the departments concerned, this course and economics 45 may not both be taken for credit. Elective for Freshmen. Second semester. Professor Denton.

**35. Statistics.** Intermediate probability; forms and sketches of proofs of the law of large numbers and the central limit theorem; Neyman-Pearson theory of hypothesis testing and estimation; properties of some parametric and non-parametric tests of wide applicability; introduction to decision theory. Four class hours per week.

Requisite: Mathematics 34. Elective for Sophomores. First semester, alternate years. Professor Denton.

**36. Topics in Geometry.** A selection of topics from projective, non-Euclidean and differential geometry. Four class hours per week.

Requisite: Mathematics 12. Elective for Sophomores. Second semester, alternate years. Professor Bailey.

**42. Functions of a Complex Variable.** An introduction to analytic functions; complex numbers, derivatives, conformal mappings, integrals, Cauchy's theorems; power series, singularities, Laurent series, analytic continuation; Riemann surfaces; special functions. Four class hours per week.

## MUSIC

Requisite: Mathematics 21 (or 31). Elective for Sophomores. Second semester. Professor Crabtree.

**43. Functions of a Real Variable.** An introduction to Lebesgue measure and integration; topology of the real numbers, inner and outer measures and measurable sets; the approximation of continuous and measurable functions; the Lebesgue integral and associated convergence theorems; the Fundamental Theorem of Calculus. Four class hours per week.

Requisite: Mathematics 22 or 32. Elective for Juniors. First semester. Professor Bailey.

**44. Topology.** An introduction to general topology; the topology of Euclidean, metric and abstract spaces with emphasis on such notions as continuous mappings, compactness, connectedness, completeness, separable spaces, separation axioms, metrizable spaces. Additional topics may be selected to illustrate applications of topology in analysis or to introduce the student briefly to algebraic topology. Four class hours per week.

Requisite: Mathematics 22 or 32, or consent of the instructor. Elective for Juniors. Second semester, alternate years. Omitted 1967–68.

**68. Conference Course.** The content of this course will vary from year to year.

Elective for Juniors with the consent of the Department. Second semester. Omitted 1967–68.

**77. Senior Honors Course.** The content of this course will vary from year to year.

Elective for Seniors with the consent of the Department. First semester. The Department.

**78. Senior Honors Course.**

Requisite: Mathematics 77. Second semester. The Department.

**97, H97. Special Topics.** Independent Reading Course. Full or half course. First semester.

**98, H98. Special Topics.** Independent Reading Course. Full or half course. Second semester.

## MUSIC

Professors Mishkin (Chairman) and V. Morgan; Associate Professor Westergaard; Assistant Professor McInnes

The Department offers courses for students who wish to pursue the study of music with a minimum of technical knowledge (11, 21–22, 41, 42, 43, 44, 45, 47, 48); for students with a special interest in theory and composition (31, 32, 33, 34, 35, 36, 71, 72); and for students with a special interest in performance (H29, H30).

## AMHERST COLLEGE

*Major Program.* The rite major with concentration in theory is required to elect Music 11, 31-32, 33-34 or 35-36, 21-22 and two other full courses (or their equivalent) offered by the Department. The rite music major with concentration in performance is required to elect Music 11, 31-32, six half courses in performance (H29, H30), 21-22, and one other full course offered by the Department. Freshman majors are advised to elect at least Problems of Inquiry 1 and Music 11.

*Honors Program.* The honors music major in theory or music history must take the courses prescribed for the rite music major in theory plus Music 77-78. The honors music major in performance must take the courses prescribed for the rite music major in performance plus Music 77-78.

*Distribution Sequences.* Two-course sequences are (a) Music 11 and one literature course offered by the Department; (b) Music 31-32; (c) Music 21-22 or any other combination of two full courses in music literature if the student has demonstrated his qualification for advanced standing. Three-course sequences are: (a) Music 11 and 21-22; (b) Music 11 and 31-32; (c) Music 11 and any other two full courses in music literature.

**11. Introduction to Music.** An introductory study of such problems as: the development of an adequate descriptive language for the materials of western music; the analysis of a single work; systematic theories for a large body of works; inferring sounds from notation; changes in the social function of composing, performing, and listening; historical constructs as applied to music. Two lectures and one section meeting a week.

Elective for Freshmen. First semester. Professor Westergaard.

**11s. Introduction to Music.** Same course as Music 11.

Elective for Freshmen. Second semester. Professor Westergaard.

**21. History of Western Music.** The history of western music from 500 B.C. through early Baroque music (seventeenth century). The techniques, forms and styles used during the various periods. Emphasis will be placed on careful listening to recorded examples. Three class meetings weekly.

Requisite: Music 11 or, prior to 1966, Music 23, 25 or 27, or the consent of the instructor. Elective for Sophomores. First semester. Professor Morgan.

**22. History of Western Music.** A continuation of Music 21. The history of western music from 1700 to the present day. Three class meetings weekly.

Elective for Sophomores. Second semester. Professor Morgan.

**H29, H30. Performance.** Under the Four-College Cooperative Plan courses are offered in: piano, organ, voice, violin, viola, violoncello and occasionally in other performance media. These courses may be elected by students who first satisfy the Department and the individual instructor that they are prepared to undertake the study of solo music literature of artistic worth. Instruction will be given by members of the Departments of Music of Amherst, Mount Holyoke, and Smith. The courses listed in the catalogues of

the neighboring institutions are: Smith College—Piano 121, 222, 323, 424, 525; Violin 151, 252, 353, 454, 555; Viola 161, 262, 363, 464, 565; Violoncello 171, 272, 373, 474, 575; Voice 141, 242, 343, 444, 545; and at Mount Holyoke College—Voice 167f, 168s. A fee of \$112.50 per semester is charged to cover a portion of the expense of this special type of instruction. One hour of private instruction and nine hours of practice per week are expected.

Note: Two music performance half courses may be counted as the equivalent of one full course for fulfilling degree requirements. Study for less than two consecutive semesters will not be counted for satisfaction of the degree requirements.

Elective for Freshmen with the consent of both the Amherst Music Department and the instructor. This course may be repeated. First and second semesters.

**31. Elementary Theory.** Basic principles of harmonic and contrapuntal technique. Triads and their inversions, nonharmonic tones, modulations, harmonizations in chorale style. Three class meetings a week.

Requisite: ability to play all written work and the consent of the instructor. Elective for Freshmen. Limited to 15 students. First semester. Professor Mishkin.

**32. Elementary Theory.** A continuation of Music 31. Seventh chords, elementary phrase structure, formal analysis, binary composition. Three class meetings a week.

Requisite: Music 31. Elective for Freshmen. Second semester. Professor Mishkin.

**33. Chromatic Harmony.** The theory of tonality as practiced from the 17th to the early 20th century, with particular emphasis on the resources of chromaticism. Students will analyze pieces from this period and write pieces modeled on them. Three class meetings a week.

Requisite: Music 32. Elective for Sophomores. First semester. Professor Westergaard.

**34. Chromatic Harmony.** A continuation of Music 33. Three class meetings a week.

Requisite: Music 33. Elective for Sophomores. Second semester. Professor Westergaard.

**35. Tonal Counterpoint.** Contrapuntal technique of the eighteenth century, invertible counterpoint, canon, two part inventions. Three class meetings a week.

Requisite: Music 32. Elective for Sophomores. Offered in alternate years. First semester. Omitted 1967–68. Professor McInnes.

**36. Tonal Counterpoint.** A continuation of Music 35. Canons and inventions in three voices, the chorale prelude. Three class meetings a week.



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Requisite: Music 35. Elective for Sophomores. Offered in alternate years. Second semester. Omitted 1967-68. Professor McInnes.

**41. Renaissance Music.** A study of Renaissance music as an expression of the cultural developments of the era. Two one-and-one-half hour meetings weekly.

Requisite: Music 11, or prior to 1966, Music 23, 25, or 27, or the consent of the instructor. Elective for Sophomores. Offered in alternate years. First semester. Omitted 1967-68. Professor McInnes.

**42. Bach.** The Bach style studied in relation to the development of music since 1600. Three class meetings a week.

Requisite: Music 11 or, prior to 1966, Music 23, 25 or 27, or the consent of the instructor. Elective for Juniors. Offered in alternate years. Second semester. Omitted 1967-68. Professor Mishkin.

**43. Mozart.** A study of the instrumental and sacred choral music. Three class meetings a week.

Requisite: Music 11 or, prior to 1966, Music 23, 25 or 27, or the consent of the instructor. Elective for Sophomores. Offered in alternate years. First semester. Professor Mishkin.

**44. Beethoven.** A study of the piano, chamber, orchestral and choral music. Three class meetings a week.

Requisite: Music 11 or, prior to 1966, Music 23, 25 or 27, or the consent of the instructor. Elective for Freshmen. Offered in alternate years. Second semester. Professor Morgan.

**45. Opera.** The development of the musical drama from 1600 with emphasis on a detailed study of operatic types. Concentration on representative works by Monteverdi, Gluck, Mozart, Verdi and Wagner. Three class meetings a week.

Requisite: Music 11 or, prior to 1966, Music 23, 25 or 27, or the consent of the instructor. Elective for Sophomores. Offered in alternate years. First semester. Omitted 1967-68. Professor Morgan.

**47. Nineteenth Century Music.** Solo and chamber music; the art song and choral music; the symphony and symphonic poem. Three class meetings a week.

Requisite: Music 11 or, prior to 1966, Music 23, 25 or 27, or the consent of the instructor. Elective for Sophomores. Offered in alternate years. First semester. Professor Morgan.

**48. Twentieth Century Music.** Analyses of key works by Bartok, Berg, Schoenberg, Stravinsky, and Webern and discussion of some recent developments. Three class meetings a week.

Requisite: Music 11 or, prior to 1966, Music 23, 25 or 27, or the consent of the instructor. Elective for Juniors. Offered in alternate years. Second semester. Professor Westergaard.



**71. Composition Seminar.** Creative composition in music geared to the needs and experience of the individual student.

Requisite: Music 34 or Music 36 and Music 48, or the consent of the instructor. Elective for Juniors. First semester. Professor Westergaard.

**72. Composition Seminar.** A continuation of Music 71.

Requisite: Music 34 or Music 36 and Music 48, or the consent of the instructor. Music 71 and 72 may be elected for more than one year. Elective for Juniors. Second semester. Professor Westergaard.

**77, D77, 78, D78. Conference Course.** Advanced work in history, composition or performance for honors candidates. A thesis, a major composition or a formal recital will be required. No student shall elect more than one semester as a double course. A double course or a full course.

Elective for qualified Seniors.

## PHILOSOPHY

Professors Epstein, Kennedy, Kennick and Pemberton; Mr. Barnes

*Major Program.* Problems of Inquiry 1; eight courses in philosophy, necessarily including Philosophy 17 and 18; the comprehensive examination, consisting of two written examinations, one in the history of philosophy and the other on a topic of the student's choice, e.g. ethics, logic, metaphysics.

Majors and majors with honors may also be taken in combined fields, e.g. Philosophy and Mathematics, Philosophy and History, Philosophy and Psychology, with the approval of the departments concerned. The selection of courses to constitute such combined majors, the topic for an original essay and the arrangements for comprehensive examinations must in each case be approved in advance by representatives of the departments concerned.

*Honors Program.* Problems of Inquiry 1; eight courses in philosophy, necessarily including Philosophy 17 and 18, 13 or 26, 14, and 77 and 78; the writing of an acceptable thesis; the comprehensive examination, consisting of two written examinations, one in the history of philosophy and the other on a topic of the student's choice, and an oral examination on the thesis and related topics.

*Distribution Sequences.* Two-course sequences: 17 and 18; 11 (11s) or 13 or 26 and, subject to prerequisites, any other course in philosophy; but not any of the following combinations: 11 and 13, 11 and 26, 13 and 26. Three-course sequences: subject to prerequisites, any three courses in philosophy, only one of which may be 11 (11s), 13, or 26.

**11. Introduction to Philosophy.** Training in philosophical reasoning. Classical and contemporary authors, chosen to exemplify basic problems of philosophy, will be discussed. Three class hours per week.

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Elective for Freshmen. Each section limited to 25 students. First semester. Professor Epstein and Mr. Barnes.

**11s. Introduction to Philosophy.** Training in philosophical reasoning. Classical and contemporary authors, chosen to exemplify basic problems of philosophy, will be discussed. Three class hours per week.

Elective for Freshmen. Each section limited to 25 students. Second semester. Professor Kennedy and Mr. Barnes.

**13. Introduction to Logic.** The elements of: (a) alternative logics of statements, (b) differing logics of quantification, (c) classes, identity and relations, (d) the theory of proof: consistency, completeness, decidability and independence. Results of these studies will be brought to bear on the analysis of conversational language and on such topics in the methodology of the natural and social sciences as: (1) definition and classification, (2) inductive inference, (3) the formulation of scientific theories in the light of the existence of alternative logics. (No previous training in mathematics, science or philosophy is presupposed.) Three class hours per week.

Elective for Freshmen. First semester. Professor Epstein.

**14. Ethics.** A wide range of views on the nature of morality, and on what a person must do to be moral, will be discussed.

Elective for Freshmen. Second semester. Mr. Barnes.

**17. History of Ancient and Medieval Philosophy.** A survey of European philosophy from the early Greeks to the end of the Middle Ages, with emphasis on the presocratic philosophers, Plato, Aristotle, St. Augustine, and St. Thomas Aquinas. Reading and discussion of selected works of the period. Four class hours per week.

Elective for Freshmen. First semester. Professor Kennick.

**18. History of Modern Philosophy.** A survey of European philosophy from 1500 to the present, with emphasis on Descartes, Leibniz, Spinoza, Locke, Berkeley, Hume, and Kant. Reading and discussion of selected works of the period. Four class hours per week.

Requisite: Philosophy 17 or the consent of the instructor. Elective for Freshmen. Second semester. Professor Kennick.

**21. American Philosophy.** A study of the modern period in American thought. Reading and discussion of works by Peirce, James, Royce, Santayana, Veblen, Dewey and others. Three class hours per week.

Elective for Sophomores. First semester. Professor Kennedy.

**23. Philosophy of Education.** A comparative and critical study of contemporary theories of education, in terms both of their historical origins and of current problems and controversies. Three class hours per week.

Elective for Sophomores. First semester. Omitted 1967-68. Professor Kennedy.

**26. Symbolic Logic.** An analysis of formal deductive systems, including the propositional calculus, the first order calculus of functions, and enough semantics to allow investigations of the independence of axioms and primitive symbols, consistency, and the completeness of theories formulated in the functional calculus. Special emphasis on the analysis of informal proofs in mathematics.

Requisite: Philosophy 13 or the consent of the instructor. Elective for Sophomores. Second semester. Omitted 1967-68. Professor Epstein.

**28. Introduction to the Philosophy of Science.** An examination of two major aspects of the physical and social sciences. (1) Concept formation: interpreted and uninterpreted systems, theory of measurement and the relation between measurement and theory, the specification of elementary and abstract terms, the reduction of theories. (2) Explanation, prediction and confirmation: individual events and laws, the logical character of scientific laws and theories, deductive explanation and its probabilistic, genetic and teleological alternatives, relations and distinctions between explanation and prediction, probability and confirmation.

Detailed results will be brought to bear on such representative issues as: space and geometry in physical theory, causality and indeterminism in physics and history, mechanism and vitalism in biology, methodological individualism in social science.

Requisites: Philosophy 13 or 26, or consent of the instructor. Elective for Sophomores. Second semester. Professor Epstein.

**31s. Aesthetics.** A critical examination of selected theories of the nature of art, expression, creativity, artistic truth, aesthetic experience, interpretation and criticism. Special emphasis is placed on the thought of modern philosophers and critics. Three class hours per week.

Requisites: two courses in philosophy, or one course passed with a grade of 80 or better, or the consent of the instructor. Elective for Juniors. Second semester. Professor Kennick.

**32. Metaphysics.** A critical examination of selected metaphysical theories in the light of the arguments used to support them. The topics of sample theories include: appearance and reality; sense-data; solipsism; space, time, and infinity; universals; the existence of God; the nature of mind.

Requisite: two courses in philosophy, or one course passed with a grade of 80 or better, or the consent of the instructor. Elective for Juniors. Second semester. Omitted 1967-68. Professor Kennick.

**33. Philosophy of Religion.** An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of God, and some religious views of human nature and conduct. Three class hours per week. Same course as Religion 33.

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Requisite: Religion 16, or Philosophy 11 or 17, or consent of the instructor. Elective for Juniors. First semester. Professor Pemberton.

**61. Topics in Philosophy.** An examination of selected problems concerning perception; the nature of perception, phenomenalism, sense-datum theories, the geometry of appearance and the perceptual foundations of knowledge.

Requisite: two courses in philosophy or the consent of either instructor. Elective for Juniors. First semester. Mr. Barnes and Professor Kiteley (Smith College).

**62. Topics in Philosophy.** Social philosophy. A critical examination of various attempts to formulate a methodology for the social sciences. Among the topics considered are: the nature of social action; personality, society and culture; the sociology of knowledge; "historicism" and "scientism"; scientific method and value judgments; the relation between social theory and social policy. The readings will be chosen from such writers as Marx, Durkheim, Weber, Freud, Mannheim, Radcliffe-Brown, Myrdal, and Dewey. One two-hour period per week.

Requisite: a grade of B in two semester courses in one of the following subjects: philosophy, psychology, political science, economics or history. Elective for Juniors. Second semester. Limited to fifteen students. Professor Kennedy.

**77. Conference Course.** Required of candidates for honors in philosophy. The writing of an original essay on a topic chosen by the student and approved by the Department.

Elective for Seniors. First semester. The Department.

**D78. Conference Course.** Required of candidates for honors in philosophy. A continuation of Philosophy 77. A double course.

Elective for Seniors. Second semester. The Department.

**97. Special Topics.** Independent Reading Course. Reading in an area selected by the student and approved in advance by a member of the Department.

Requisite: two courses in philosophy, or one course passed with a grade of 83 or better, and the consent of the instructor. First semester.

**98. Special Topics.** Independent Reading Course. Same as Philosophy 97.

Second semester.

## PHYSICAL EDUCATION

Professors Lumley, McCabe, Ostendarp, Richardson (Chairman), Rostas and Wilson; Associate Professors Dunbar and Serues; Assistant Professors Mehr, Scandrett and Thurston; Mr. Van Petersilge

Complete physical examination, physical fitness tests, special exercises for individual development and a program of instruction and participation in



team games and sports. Required for Freshmen and Sophomores and men who have not met the department standards in swimming, fitness, team games, and recreational sports.

## PHYSICS

Professors Arons, Benson, Towne\* and Romer (Chairman); Associate Professors Dempsey and Gordon; Assistant Professors Duffy and Haines

*Major Program.* The minimum course requirements for a major in physics are as follows:

*Class of 1968:* Mathematics 1, 2, 3, 31. Physics 1, 2, 24, 31, 51, 52 and 28 or H55, H56.

*Class of 1969:* Mathematics 1, 2 and either 3, 31 or 12, 21; Chemistry 31, Physics 1, 2, 24, 31, 51, 52 and 28 or H55, H56.

*Class of 1970 and following classes:* Mathematics 11, 12, 21; Chemistry 31, Physics 13, 14, 26, 27, 28, 33.

In addition, all physics majors will attend the Physics Seminar during their junior year, and will participate actively in it in the senior year. Majors will be required to demonstrate ability in computer programming. Students should consult the Department for information concerning the various ways this requirement can be satisfied. A major must take two written comprehensive examinations, one near the end of the first semester, one soon after spring vacation in the senior year. The first examination will test general understanding at approximately the level of Physics 14 (or 24). The second will call for comprehension at the more sophisticated level of the junior and senior courses.

Problems of Inquiry 3 is not required of physics majors and is not recommended for students who are taking or have taken Physics 13 or 13s. (However, some students who plan to take Physics 13 or 13s may be advised to take Problems of Inquiry 3 before taking Physics 13.)

*Honors Program.* The course requirements for a major with honors are the specific courses listed above, plus Mathematics 22 (or 32), Physics 58, 77 and 78. (For students intending to make a career in physics, Physics 73 and 75 are strongly recommended.) At the end of the first semester of the senior year, the student's performance on the first comprehensive examination, together with his progress on his honors problem will determine the advisability of his being allowed to continue the honors program.

Any student considering a major in physics should seek the advice of a member of the Department as early as possible in order to work out a program best suited to his interest and ability, whether he is considering a career in physics, engineering, secondary school science teaching, one of the inter-science fields such as biophysics, or a non-scientific career. Mathe-

\*On leave 1967-68.



matics 11 must be taken no later than the first semester of freshman year to complete an honors major and no later than the first semester of sophomore year to complete a rite major. Prospective physics majors should plan to take Physics 26 at the earliest convenient time. It should be noted that, at the discretion of the instructor, stated prerequisites may be waived if warranted by individual circumstances. Students interested in majoring in biophysics should consult the separate biophysics listing.

The aim of honors work in physics is to provide an opportunity for the student to develop under faculty direction his ability and interest in individual investigation, and his skill in experimental or theoretical techniques. The primary fields of experimental research in progress in the department are low temperature physics, nuclear magnetic resonance, mass spectrometry and oceanography. In addition, however, experimental equipment is available for work in some phases of magnetism, X-rays, optics, electronics, and atomic and nuclear physics. The student is given facilities to review the literature in the field chosen, to design, construct and assemble his experimental equipment, to perform experiments, and finally to prepare a thesis, which is due in May. During the spring, he will also present his work in the Physics Seminar, and at the end of the second semester, he will take an oral examination, in addition to the written comprehensive examinations required of all physics majors (see above). This oral examination is devoted primarily to the student's thesis and to questions suggested by his work on the written comprehensive examinations.

The departmental recommendation for the various degrees of honors will be based on the student's record in the Department, the honors work, and the comprehensive and oral examinations.

*Distribution Sequences.* Physics 11, 12 constitute a two-semester sequence intended primarily for non-science majors. Mathematics 11, Physics 13 constitute a two-course sequence and Mathematics 11, Physics 13, 14 a three-course sequence. None of these sequences is open to students who have completed Science 1-2 in the former curriculum.

Further information on the physics program is contained in a booklet, "Physics at Amherst College," available from the Admission Office.

**11. Concepts and Methodology in Physics.** Topics are selected from mechanics in such a way as to develop an understanding of the ideas which led to Newton's formulation of the laws of mechanics and the theory of gravitation and thence to indicate the impact which the Newtonian synthesis has had on the subsequent development of science and philosophy. Selected topics from electricity and optics are then introduced and, combined with the previously developed topics in mechanics, are used to show how we have arrived at our present conception of the structure of matter. Topics selected from analytic geometry and the calculus will be introduced throughout the course in such a way as to show how this science has arisen as a

powerful independent discipline and how its tools, in turn, have profoundly influenced the development of physical science. Four hours of lecture and discussion and one two-hour laboratory per week.

Requisite: Problems of Inquiry 3 or 3s. Elective for Sophomores. First semester. Not open to students who have completed Science 1-2 or Physics 5 in the former curriculum. Omitted 1967-68. Professor Arons.

**12. Concepts and Methodology in Physics.** The second semester of the course outlined above under Physics 11.

Requisite: Physics 11. Omitted 1967-68. Professor Arons.

**13. Introductory Physics.** Kinematics in three dimensions; Newton's laws of motion; the conservation of linear momentum and energy; rotational kinematics and dynamics; angular momentum; the motion of charged particles in electric and magnetic fields. Four hours of lecture and discussion and one three-hour laboratory per week.

Requisite: Mathematics 11 or its equivalent. Elective for Freshmen. Not open to students who have completed Science 1-2 or Physics 5 in the former curriculum. (Students who have not had high school physics should consult with the Department and may be advised to take Problems of Inquiry 3 before entering Physics 13.) First semester. Professors Gordon and Arons.

**13s. Introductory Physics.** Same course description as Physics 13.

Second semester. Professors Gordon and Haines.

**14. Introductory Physics (second part).** Development of elementary field concepts of electricity and magnetism; behavior of transient d-c and a-c electrical circuits; analysis of the experimental evidence supporting a belief in the existence of electrons, photons and other elementary particles, Rutherford's concept of the nucleus, and the Bohr model of the atom; origins of nuclear physics. Four hours of lecture and discussion and one three-hour laboratory per week.

Requisite: Physics 13 or 13s. Elective for Freshmen. Not open to students who have completed Science 1-2 or Physics 5 in the former curriculum. Second semester. Professors Benson and Arons.

**14f. Introductory Physics (second part).** Same course description as Physics 14.

First semester. Professors Benson and Haines.

**H21. Experiments in Modern Physics.** This course is designed to introduce the student to some of the important tools of modern experimental physics. Included in the course will be experiments with the mass spectrometer, omegatron, beta-ray spectrometer, Stern-Gerlach apparatus, nuclear magnetic resonance spectrometer, laser beam, and nuclear counting equipment. Special emphasis will be placed on high vacuum techniques and methods of detecting and measuring radio-activity. One class meeting and one four-hour laboratory per week. A half course. This half course may be paired

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with Mathematics H23, the pair to be counted as equivalent to one full course.

Requisite: Physics 14 or 14f or 24. Elective for Sophomores. First semester. Professors Benson and Gordon.

**26. Mechanics.** Solution of problems in one-dimensional motion; central forces; the two-body problem; rotating frames of reference; special relativity. Four class hours per week.

Requisite: Physics 14 or 14f, Mathematics 21 or 21s. Elective for Sophomores. Replaces Physics 51 in the former curriculum. Second semester. Professor Arons.

**27. Wave Phenomena.** Same course description as Physics 52.

Requisite: Physics 14 or 14f, Mathematics 21 or 21s. Elective for Sophomores. Replaces Physics 52 in the former curriculum. First semester. To be offered for the first time in 1968-69.

**28. Electrical Measurements and Electronics.** Assigned reading, problems and laboratory work dealing with electrical and magnetic measurements, d-c, and a-c circuits, vacuum tube and transistor electronics. In special cases experiments may be selected to fit the needs of individual students. Two hours of lecture and two four-hour laboratories per week.

Requisite: Physics 14 or 14f and Mathematics 12 or Physics 24. Elective for Sophomores. Second semester. Professors Duffy and Romer.

**31. Modern Physics.** Twentieth century developments in physics. Photoelectric effect, Bohr's quantum theory, atomic spectra and the vector model of the atom, X-rays, selected topics in nuclear physics, special theory of relativity. Four hours of lectures and discussion, and one three-hour laboratory period per week.

Requisite: Physics 24. Elective for Sophomores. To be offered for the last time in 1967-68. Students who have taken Physics 24 should elect this course in 1967-68. First semester. Professor Haines.

**33. Modern Physics.** Twentieth century developments in physics. Photoelectric effect, Bohr's quantum theory, atomic spectra and the vector model of the atom, X-rays, selected topics in nuclear physics, introduction to Schrödinger wave mechanics. Four hours of lectures and discussion and one three-hour laboratory per week.

Requisite: Physics 26. Corequisite: Physics 27. (i.e. Students wishing to take Physics 33 should plan either to have already taken Physics 27, or to take Physics 27 concurrently with Physics 33.) Offered for the first time in 1968-69. Replaces Physics 31 in the former curriculum. First semester.

**34. Solid State Physics.** Selected aspects of the behavior of solids, emphasizing those features which can be understood with simple models. Lattice vibrations and the Debye theory of specific heats, thermal conductivities, dielectric behavior, magnetic properties of diamagnetic, paramagnetic, and

ferromagnetic solids, the free electron model of metals, elementary band theory, semi-conductors, superconductivity. Four class hours per week.

Requisite: Physics 31 or 33. Second semester. Professor Romer.

**51. Mechanics.** Newtonian dynamics from a vector point of view. Special emphasis is placed upon central force motions, the two-body problem, and moving reference frames. Lagrange's equations and generalized co-ordinates. Four hours of lectures and discussion per week.

Requisites: Physics 24, Mathematics 31, or concurrent registration in Mathematics 21. Offered for the last time in 1967-68. To be replaced by Physics 26. Students who have taken Physics 24 should elect this course in 1967-68.

Elective for Sophomores. First semester. Professor Arons.

**52. Wave Phenomena.** General characteristics of wave motion approached through the wave equation and the solution to boundary value problems. Energy relationships, diffraction, interference, reflection, refraction and polarization. Normal modes and eigenfunction expansions. Each phenomenon will be discussed in the context of either optics or acoustics depending upon the relative importance of its applications in the two fields. Four class hours per week and occasional laboratories.

Requisites: Physics 24, Math 31 or 21, or 21s. Elective for Sophomores. Offered for the last time in 1967-68. To be replaced by Physics 27. Second semester. Professor Duffy.

**58. Electromagnetic Theory.** A development of Maxwell's electromagnetic field equations and some of their consequences. Electrostatics, potential theory, static magnetic fields, macroscopic theory of dielectric and magnetic materials, Poynting's theorem, electromagnetic waves, radiation from an accelerated charge. Four class hours per week.

Requisites: Either Physics 51 or 26. Second semester. Professor Dempsy.

**73. Analytical Dynamics and Wave Mechanics.** Lagrangian and Hamiltonian formulations of classical mechanics. Calculus of variations and Fourier integral analysis. Quantum mechanical expectation values, Ehrenfest's theorem, uncertainty principles. Eigenfunctions of square potentials, harmonic oscillator, hydrogen atom. Four class hours per week.

Requisites: Mathematics 32 or 22; Physics 51 or 26; Physics 52 or 27. Elective for Juniors. First semester. Professor Romer.

**74. Quantum Mechanics.** Time evolution of states, approximation techniques, electron spin, the exclusion principle, scattering theory, transformation theory. Four class hours per week.

Requisite: Physics 73. Elective for Juniors. Second semester. Professor Haines.

**75. Thermodynamics and Statistical Mechanics.** First, second and third laws of thermodynamics with applications to various physical systems. Phase



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transitions. Applications to low temperature physics, including superconductors and liquid helium. Introductory kinetic theory and statistical mechanics. Applications of Fermi-Dirac and Bose-Einstein statistics. Four class hours per week.

Requisites: Mathematics 32 or 21, Physics 51 or 26, and Physics 31 or 33. Starting in 1968-69, Chemistry 31 or 31s will also be a prerequisite, and more advanced material will be added to this course. First semester. Professor Duffy.

**77. Honors Course.** Individual, independent work on some problem, usually in experimental physics. Reading, consultation and seminars, and laboratory work.

Elective for Seniors who have been admitted to the honors program. First semester. The Department.

**D78. Honors Course.** Same course description as Physics 77. A double course.

Requisite: Physics 77. Second semester. The Department.

**97, H97, 98, H98. Special Topics.** Independent Reading Course. Full or half course.

First and second semesters.

## POLITICAL SCIENCE

Professors Kateb,\* Latham (Chairman), and Ziegler; Visiting Professor Havard; Assistant Professors Arkes and Dinkelspiel; Mr. Taubman

*Major Program.* A major in political science consists of nine courses in political science. Political Science 11 or 11s is a prerequisite for all majors, and for non-majors satisfying a distribution requirement in political science.

There are four major study areas within the Department as follows: American government, comparative politics, international relations, and political theory. The *basic courses* in each of these divisions are, respectively, Political Science 21; Political Science 25; Political Science 26; and Political Science 28. Five of the nine courses required for a major in political science must be Political Science 11 or 11s and the four basic courses in the indicated divisions. Majors in the Department may wish to take Problems of Inquiry 2, but are not required to do so.

Rite majors are required to take Political Science 76 in their senior year.

All majors in political science are required to pass a comprehensive examination in political science in the spring of their senior year. This examination will cover the discipline as a whole and will be written or oral or both written and oral as the Department may prescribe.

*Honors Program.* The honors program is designed to provide qualified students in political science with full opportunity for independent research and

\*On leave 1967-68.



## POLITICAL SCIENCE

writing. Candidates for honors in political science will take Political Science D77 and 78.

*Distribution Sequences.* Non-majors satisfying a two- or three-course distribution requirement in political science will take Political Science 11 or 11s and any other course or courses in the Department. Non-majors not satisfying a distribution requirement in political science may, in their sophomore, junior and senior years, elect any course in the Department.

**11. Introduction to Political Science.** An analytical treatment of the role of politics in human society. Attention will be given to the theoretical and historical bases of political institutions, the social roots of political behavior, and the characteristics of the political process. Three class meetings per week.

First semester. Professor Latham.

**11s. Introduction to Political Science.** Same description as above.

Second semester. Professor Latham.

**21. American Government.** An introduction to the major problems of American democracy; their political, economic and social implications and their historical evolution. Politics and administration in their relation to constitutional government, federalism, suffrage, governmental functions, etc. Four class meetings per week.

First semester. Professor Ziegler.

**25. Politics and Society.** An examination of how contemporary political systems influence, and are influenced by, changing social and economic conditions. Primary attention is given to politics in the three representative European countries: Great Britain, France, and the Soviet Union. The political aspects of such problems as the concentration of economic power, the growth of the Welfare State, the decline (or persistence) of class distinctions, the growth of bureaucratic influence are discussed in a comparative setting. Three class meetings per week.

First semester. Professor Dinkelspiel.

**26. World Politics.** International conflict and cooperation in historical and contemporary perspective. The struggle for power, the search for order and the limits of each. Special attention will be given to the national perspectives and foreign policies of the United States, the Soviet Union, and China. Three class meetings per week.

Second semester. Mr. Taubman.

**28. Political Theory from Hobbes to the Present.** A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Three class meetings per week.

Second semester. Professor Havard.

**31. Political Parties.** An analysis of the place of the political party in the modern political system. Primary emphasis is given to party as a factor in

defining the character of the political regime: party as a reflector and modifier of legal institutions; the effect of party on voting and legislative behavior; the relations among parties, bureaucracy, and outside groups; the economic and social consequences of party structure. The principal focus will be on American politics, but comparative materials will also be drawn from European and non-Western countries. In election years, classroom work will be supplemented by participation in a political campaign. Three class meetings per week.

First semester. Professor Arkes.

**32. State and Urban Problems.** Examination of state and urban problems resulting from contemporary patterns of growth and development; systematic study of state and local political environments in which urban problems are resolved; discussion of the roles played by political officials in these varying political environments.

Second semester. Omitted 1967-68. Professor Arkes.

**33s. Public Opinion.** An exploration of public opinion in its distinctly political aspects: public opinion as regulating the scope of the political system; the relation between opinion and authority; the tests and contents which make some opinions more justified in ruling. Attention will be devoted to the measurement of opinion; the influence of demographic factors; the impact of small groups, the media, and voluntary associations. Opinion surveys will be combined with writings on political theory; and there will be some consideration also of the empirical commitments which may arise from using the language of "public opinion" and "public interest" in political discourse. Classroom work plus participation in the design, administration, and analysis of an opinion survey. Three class meetings per week.

Second semester. Professor Arkes.

**41. American Constitutional Development.** The development of American constitutional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crisis of 1935-1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Stone, Black, and Frankfurter. Three class meetings per week.

First semester. Professor Latham.

**42. Administrative Law.** An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission,

and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibilities for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. Three class meetings per week.

Limited to 25 students. Second semester. Omitted 1967-68. Professor Ziegler.

**43s. Bureaucracy and Modern Society.** Bureaucracy as the center of the problem of politics in modern society. Topics will include bureaucracy as a system of domination; the social preconditions and consequences of bureaucratization; the relation of administrative agencies to interest groups and political parties; and the administrative structure as a reflection of the culture and the political regime. Case studies on American bureaucracy will be used as a basis for cross-national comparisons. The inquiry will respond to the concerns about bureaucratic power and social organization which have been raised by such writers as Marx, Weber, Tocqueville, and Gandhi, as well as contemporary social scientists. Three class meetings per week.

Second semester. Professor Arkes.

**44. Politics in Developing Nations.** An examination of the role of politics in the process of modernization in the developing nations of Africa, Asia and Latin America. Particular attention is given to such topics as the fragmenting and integrating influences of nationalism, the strengths and weaknesses of the single party system, the appeals of communism, the role of the military, the sources of stability and revolution, the problems of managing economic development. Three class meetings per week.

Second semester. Professor Dinkelspiel.

**46. International Law.** The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. Four class meetings per week.

Second semester. Professor Ziegler.

**48. American Political Thought.** A study of some of the major political ideas which have been formulated in response to American conditions from colonial times to the present. Connections with European thought will also be discussed. Three class meetings per week.

Second semester. Omitted 1967-68. Professor Kateb.

**49. Political Theory from Plato to Machiavelli.** A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Readings and discussion. Three class meetings per week.

First semester. Omitted 1967-68. Professor Kateb.

**52. Problems in Public Policy and Administration.** Selected topics in public policy and administration. Conference course.

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Limited to twenty-five students with the consent of the instructor. Second semester. Omitted 1967-68. Professor Latham.

**54. Problems of Political Change and Political Order.** The political means for managing major processes of change in contemporary societies are examined in a comparative perspective. Intensive study of a single broad topic, varying from year to year. Representative topics are: politics and economic growth; pluralism and authoritarianism in new nations; technocracy and political responsibility; the future of the "domesticated" Communist parties of Western Europe. Conference Course.

Limited to fifteen students, with the consent of the instructor. Second semester. Professor Dinkelspiel.

**57. Problems of International Politics.** Selected topics with focus on international communism and the cold war. Conference course.

Limited to fifteen students with the consent of the instructor. First semester. Mr. Taubman.

**59. Contemporary Political Thought.** A study of some of the major writers who have tried to come to terms with the political features of modernity. Among those read are the radical romantics; the existentialists; the inheritors of Marx and Freud; and the positivists and their enemies. Conference course.

Limited to fifteen students with the consent of the instructor. First semester. Omitted 1967-68. Professor Kateb.

**76. Senior Rite Seminar.**

Second semester. Professor Latham.

**D77-78. Honors Course.** Double course, full course: totaling three full courses.

Elective for Seniors who have satisfied the necessary requirements. First and second semesters. The Department.

**97, 98. Special Topics.**

First and second semester.

## PSYCHOLOGY

Professors Birney (Chairman), Coplin, and Koester;\* Associate Professor Grose; Assistant Professors Johnson, Olver and Schneider

*Major Program.* Students majoring in psychology are required to elect eight full courses in psychology or closely allied fields. No more than one or two courses may be taken in allied fields. Psychology 11 should be elected no later than the sophomore year by students who plan to major in psychology. All majors are required to elect Psychology 23 no later than the junior year.

\*On leave second semester 1967-68.



## PSYCHOLOGY

A comprehensive examination is given to all majors during the second semester of the senior year.

*Honors Program.* Students who are accepted for honors work are required to complete a research project during the senior year and to pass an oral examination based upon a written thesis. Students who plan to do honors work are expected to engage in exploratory study during the second semester of the junior year for the purpose of defining the nature of the research project to be done during the senior year. Psychology 77 will count as one full course, and Psychology 78 as a double course.

*Distribution Sequences.* The distribution requirement in the social science division may be satisfied in psychology by the election of Psychology 11 and any full advanced course(s).

**11. Introduction to Psychology.** An introduction to the nature of psychological inquiry with emphasis upon approaches that may be taken in the attempt to develop a body of psychological knowledge, both empirical and theoretical. Three class meetings a week and discussion section.

Elective for Freshmen. First semester. Professors Birney and Schneider.

**11s. Introduction to Psychology.** This course will be taught in two sections. Section A will be given in the same way as Psychology 11 with lectures and section meetings for the discussion of readings and papers. Section B will be given with lectures and weekly laboratory sessions. Second semester.

**11s A.** Professors Birney and Olver. Elective for Freshmen.

**11s B.** Professor Johnson. Elective for Sophomores.

**20. Social Psychology.** A social psychological analysis of individual and group behavior with application to selected social issues. Three class meetings a week.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Professor Schneider.

**21. Personality.** A survey of the theoretical and experimental literature of personality analysis. Emphasis is on the use of psychometric tests as research devices in the testing of personality theory. Three class meetings per week.

Requisite: Psychology 11. Elective for Sophomores. First semester. Professor Birney.

**23. Research Design and Quantitative Methods.** A study of psychological research procedures and quantitative methods, especially statistical procedures, that are used in the analysis and interpretation of findings obtained by means of experimental and empirical methods. Three class meetings a week.

Requisite: Psychology 11. Elective for Sophomores. First semester. Professor Koester.



**24. Cognition and Perception.** A study of cognitive processes, including perceptual phenomena, with emphasis upon the techniques by which man represents his world and the consequences of representation for behavior. Three class meetings per week.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Professor Olver.

**25. Learning and Behavior Theory.** A study of principles of learning with emphasis on current research and theoretical formulations. Three class meetings a week and laboratory sessions.

Requisite: Psychology 11. Elective for Sophomores. First semester. Professor Johnson.

**26. Physiological Psychology.** A study of the physiological foundations of animal and human behavior with emphasis on the role of the central nervous system in motivation, attention, learning, and memory. One seminar and one laboratory period per week.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Professor Johnson.

**27. Developmental Psychology.** A study of human development with emphasis upon the general characteristics of various stages of development from birth to adolescence and upon general determinants of the developmental process. One two-hour seminar per week.

Requisite: Psychology 11. Elective for Sophomores with the consent of the instructor. Limited to fifteen students. First semester. Professor Olver.

**28. Abnormal Psychology.** A study of the etiology and psychodynamics of psychological deviance with a focus on the psychological diagnosis and psychotherapy of the behavior disorders. Three class meetings a week.

Requisite: Psychology 11. Elective for Freshmen. Second semester. Professor Coplin.

**H29. Marriage and the Family.** A study of biological, psychological, and sociological findings concerning premarital and marital interpersonal relationships. Two class meetings per week. A half course.

Elective for Sophomores. First semester. Professor Coplin.

**30f. Viewpoints and Theory.** A study of basic issues in psychological inquiry with emphasis upon those which pertain to systematic and theoretical formulations. Special attention will be given to the nature of explanation and theorizing in psychology. One weekly seminar.

Requisite: Psychology 11. Elective for Juniors with the consent of the instructor. First semester. Professor Koester.

**31s. Motivation.** A study of motivational determinants of behavioral phenomena with emphasis upon experimental findings. Three class hours a week.

## RELIGION

Requisite: Psychology 11. Elective for Sophomores. Second semester. Professor Birney.

**32. Introduction to Psychoanalytic Thought.** A study of psychoanalytic attempts to provide a theoretical understanding of human personality.

Requisite: Psychology 11. Elective for Sophomores. Second semester. Omitted 1967–68. Professor Koester.

**34. Educational Psychology.** A psychological analysis of the educational process. The course is designed both for prospective teachers and for those who have a general interest in the field of education. One two-hour seminar a week.

Requisite: Psychology 11. Elective for Sophomores with the consent of the instructor. Limited to fifteen students. Second semester. Professor Grose.

**41. Psychology Seminar.** Members of the department will occasionally offer seminars designed to give the student an opportunity to study a selected topic in depth. See the departmental representative for the topic of the seminar.

Requisites are contingent upon the nature of the topic to be discussed. Elective for Juniors with the consent of the instructor. Limited to fifteen students. First semester. Professor Schneider.

**42. Psychology Seminar.** Same type of course as Psychology 41.

Elective for Juniors with the consent of the instructor. Limited to fifteen students. Second semester. Omitted 1967–68.

**77, D78. Senior Honors Course.** A full course and a double course.

Elective for senior majors in psychology who have received departmental approval. First and second semesters.

**97, H97; 98, H98. Independent Study or Research.** This course is open to qualified students who desire to engage in independent reading on selected topics or conduct research projects. Preference will be given to those students who have done good work in one or more departmental courses beyond the introductory level. A full course and a half course.

Elective for Juniors with the consent of the instructor. First and second semesters.

## RELIGION

Professors B. Morgan and Pemberton; Associate Professor Mudge (Chairman); Visiting Associate Professor Wijnhoven

*Major Program.* Majors in Religion are required to take Problems of Inquiry 1, Religion 11, Introduction to Religion, and seven additional semester courses in Religion or related studies approved by the Department.

All majors are required, early in the second semester of the senior year, to take the comprehensive examination in Religion which will deal with the

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history and phenomenology of religious traditions, and selected topics from the fields of Bible, religious ethics, historical theology and philosophy of religion. Further information may be obtained from the members of the Department.

*Honors Program.* Honors in Religion shall consist of the conference course, Religion 77, 78, taken in conjunction with a major in Religion; satisfactory fulfillment of the general honors requirements of the College; satisfactory performance in the written comprehensive examination; and the satisfactory preparation and oral defense of a scholarly essay on a topic approved by the Department.

*Distribution Sequences.* Two-course sequences: Religion 11 and 16; Religion 13 and 14; Religion 11 and one of the following courses: Religion 14, 34, 35, 37, 61.

Three-course sequences: One of the above two-course sequences and an additional upper level religion course. With the permission of the Department, a course from another department may be included in a three-course sequence where it is relevant to a special program of study.

**11. Introduction to Religion.** A systematic examination of the phenomenology of religion, its social, cultural, psychological, and personal ramifications, and the facts of similarity and diversity. Two case studies from Asian and Western settings. Four class hours per week.

Elective for Freshmen. First semester. Professors Morgan and Mudge.

**13. The Old Testament.** Foundations of the Hebrew-Christian tradition in the history, literature, and thought of the Old Testament. Emphasis is placed both on the biblical materials themselves and on the varying methodologies of contemporary Old Testament interpretation. Four class hours per week.

Elective for Freshmen. First semester. Professor Mudge.

**14. The New Testament.** Foundations of the Christian tradition in the history, literature, and thought of the New Testament. Emphasis is placed both on the biblical materials themselves and the varying methodologies of contemporary New Testament interpretation. Four class hours per week.

Requisite: Religion 13 or consent of the instructor. Elective for Freshmen. Second semester. Professor Mudge.

**16. The Western Religious Tradition.** An examination of the development of Jewish and Christian thought from the Talmud and the Church Fathers to the present. Readings will include selections from the Talmud, St. Augustine, Maimonides, St. Thomas Aquinas, Dante, the Reformers, and later Jewish and Christian writers. Four class hours per week.

Elective for Freshmen. Second semester. Professor Pemberton.

**33. Philosophy of Religion.** An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of

God, and some religious views of human nature and conduct. Same course as Philosophy 33. Three class hours per week.

Requisite: Religion 16; or Philosophy 11 or 17; or consent of the instructor. Elective for Juniors. First semester. Professor Pemberton.

**34. Religion in America.** An examination of the intellectual and social history of religion in America, and its interaction with the changing cultural setting. Intensive study of selected problems in papers and seminars. Same as American Studies 34. Three class hours per week.

Requisite: Religion 11 or consent of the instructor. Elective for Juniors. Second semester. Professor Morgan.

**35. Contemporary Religious Thought.** An analysis of selected nineteenth and twentieth century religious and secular writers whose thought reflects in criticism and constructive statement the "religious situation" in contemporary Western culture. The readings will be chosen from such writers as Dostoevski, Nietzsche, Kierkegaard, Feuerbach, Freud, Camus, Sartre, Marcel, Buber, Bonhoeffer, Maritain, Dewey, Niebuhr and Tillich. Three class hours per week.

Requisite: Religion 11 or consent of the instructor. Elective for Juniors. First semester. Omitted 1967-68. Professor Pemberton.

**36. Studies in Judaism.** Reading with discussion of selected Jewish sources from the Mishnaic period, Medieval philosophical texts and modern interpretations of Judaism.

Requisite: Religion 11, Religion 13, or consent of the department. Elective for Juniors. Second semester. Professor Wijnhoven.

**37. Christian Social Ethics: Structure and Practice.** A critical study of ethical teaching and practice in the biblical and church tradition, and of their contribution to a constructive Christian ethic in such areas as power politics, economic life, the meaning of sexuality, the "crisis in communication," and the meaning of racial and cultural difference. Representative Roman Catholic and Protestant theologians. Three class hours per week.

Requisite: Religion 11 or consent of the instructor. Elective for Juniors. First semester. Omitted 1967-68. Professor Morgan.

**61. Calvin and Calvinism.** An Analysis of Calvin's theological system in the "Institutes of the Christian Religion" and its importance for Protestant thought in the 16th and 17th centuries in social, political, and religious issues.

Elective for Juniors with the consent of the instructor. Limited to ten students. First semester. Professor Pemberton.

**77. Conference Course.** Required of candidates for honors in religion: Preparation and oral defense of a scholarly essay on a topic approved by the Department. Detailed outline of thesis and adequate bibliography for project required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester.



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Elective for Seniors with the consent of the instructors. First semester. The Department.

**D78. Conference Course.** Required of candidates for honors in religion: A continuation of Religion 77. A double course.

Elective for Seniors with the consent of the instructors. Second semester. The Department.

**97. Special Topics.** Independent Reading Course. Reading in an area selected by the student and approved in advance by a member of the Department.

Requisite: One course in religion passed with a grade of 83 or better, and the consent of the instructor. First semester. The Department.

**98. Special Topics.** Independent Reading Course. Same description as Religion 97. Second semester. The Department.

## RUSSIAN

Assistant Professors Radley (Chairman) and Kuhn

*Major Program.* The major must take six full courses where all reading is done in Russian: if he is a beginner Russian 1, 2, 3, 4, 11, 12; if he is admitted with advanced standing, and needs only four or three or two of the above, he may fill out his program with appropriate advanced Russian-language courses such as Russian 25, 26, 27, 28 or courses of the same level at any of the three neighboring institutions.

The major will take in addition two more full courses where the reading need not be done in Russian, such as Russian 13, 14, 15, 16. He is also strongly urged to take History 41-42, or read a good history of Russia.

The major will take a comprehensive examination in his senior year.

*Honors Program.* In addition to the above the honors candidate must take Russian 77-78 in his senior year and must prepare a 50-page thesis on a topic approved by the Department.

*Distribution Sequences.* Two-course requirement: Russian 11-12 (for the student who has taken Russian 3-4 or its equivalent) or Russian 13-14, or Russian 15-16 (or any combination of the four).

Three-course requirement: for those who have had Russian 3-4 or its equivalent, Russian 11-12 followed by one from among Russian 25, 26, 27 and 28; for those with less than Russian 3-4 or its equivalent, Russian 13-14, followed by either Russian 15 or 16.

**1. First-Year Russian.** Pronunciation, grammar, oral practice. Four class sessions of grammar and two oral practice sessions per week.

Elective for Freshmen. First semester. Professor Radley.

**2. First-Year Russian.** Same topics as Russian 1: four class sessions of grammar and two oral practice sessions per week.



Requisite: Russian 1, or equivalent. Elective for Freshmen. Second semester. Professor Radley.

**3. Second-Year Russian.** Review of grammar and pronunciation. Reading and analysis of selected texts, fictional and non-fictional. Four grammar sessions and one oral practice session per week.

Requisite: Russian 2, or equivalent. Elective for Freshmen. First semester. Professor Kuhn.

**4. Second-Year Russian.** Reading of literary and scientific texts from the 19th and 20th centuries. Four grammar sessions and one oral practice session per week.

Requisite: Russian 3, or equivalent. Elective for Freshmen. Second semester. Professor Kuhn.

**11. Readings in Russian Literature.** The aim of this course is to develop fluency and accuracy in understanding fairly difficult prose, both fictional and non-fictional. Emphasis will fall on the nineteenth century novel and short story. Three classroom sessions per week.

Requisite: Russian 4, or equivalent. Elective for Freshmen. First semester. Professor Kuhn.

**12. Readings in Russian Literature.** Continuation of Russian 11. Soviet texts will also be included.

Requisite: Russian 11, or equivalent. Elective for Freshmen. Second semester. Professor Kuhn.

**13. Survey of Russian Literature, Part I.** From the beginnings to Turgenev and Goncharov. All readings in English. Three class sessions per week.

Elective for Freshmen. First semester. Professor Radley.

**14. Survey of Russian Literature, Part II.** From Dostoevsky and Tolstoy to the present. All readings in English. Three class sessions per week.

Elective for Freshmen. Second semester. Professor Radley.

**15. Dostoevsky.** A study of representative early works and the major novels. All readings in English. Alternates with Russian 25. Three class sessions per week.

Elective for Freshmen. First semester. Omitted 1967-68. Professor Kuhn.

**16. Tolstoy.** A study of his most important stories, novels and essays. All readings in English. Alternates with Russian 26. Three class sessions per week.

Elective for Freshmen. Second semester. Professor Kuhn.

**25. Selected Works of Dostoevsky.** All readings in Russian. Alternates with Russian 15. Three class sessions per week.

Requisite: Russian 11-12, or consent of the instructor. Elective for Sophomores. First semester. Professor Kuhn.

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**26. Selected Works of Tolstoy.** All readings in Russian. Alternates with Russian 16. Three class sessions per week.

Requisite: Russian 11-12, or consent of the instructor. Elective for Sophomores. Second semester. Omitted 1967-68. Professor Kuhn.

*Russian 15 and 25, and 16 and 26 will be given in alternate years, in such a way that the student may in one year take one course whose reading is done in English and one whose reading is done in the original: i.e. in one year Russian 15 and 26 will be given, while in the next 16 and 25 will be offered.*

**27. Golden Age of Russian Poetry, 1800-40.** Reading and analysis of poems by Pushkin, Lermontov, Baratynsky, Tyutchev. All readings in Russian. Three class sessions per week.

Requisite: Russian 11-12, or the consent of the instructor. Elective for Sophomores. First semester. Professor Radley.

**28. Seminar on One Major Russian Writer.** The topic will vary from year to year, but will be other than Tolstoy or Dostoevsky. For 1967-68 the topic will be Nabokov. All readings in Russian. One two-hour and one one-hour session per week.

Requisite: Russian 11-12 or the consent of the instructor. Elective for Sophomores. Second semester. Professor Radley.

**77. Senior Honors Course.** Meetings to be arranged.

Open to, and required of, seniors writing a thesis. First semester. The Department.

**78. Senior Honors Course.** Meetings to be arranged.

Open to, and required of, seniors writing a thesis. Second semester. The Department.

**97, 98. Special Topics.**

First and second semesters. Professor Radley.

## SPANISH

Professor Johnson;\* Associate Professor Cannon (Chairman); Assistant Professor Rinnander; and assistants

*Major Program.* All majors must elect the equivalent of eight full courses including Spanish 7s, 11 (11s), and at least one course from each of the following areas: Golden Age, Modern Spain, Spanish America. In certain cases of demonstrated proficiency, Spanish 7s may be waived. Advanced placement may be accepted as a substitute for Spanish 11 (11s) and will be allowed full course credit toward the major. A maximum of four half courses can be included for credit in the elections. This course program may, in exceptional cases, be adjusted.

\*On leave 1967-68.

The comprehensive examination required of all majors is given in May of the senior year. A reading list will be furnished to aid in preparation for the examination.

Spanish 1 and 3 will not count toward the rite major. Spanish 1, 3 and 5 will not count toward the major for honors candidates.

In addition, candidates for departmental honors must present a thesis and sustain an oral examination on the thesis.

Course programs for a joint major in Spanish and French, or Spanish and Italian are arranged in consultation with the instructor in these languages.

*Distribution Sequences.* The following courses are recommended for distribution sequences: 11, 22; 11, 24; 11s, 23; 11s, 21. Three-course distribution sequences may be arranged in consultation with the Department.

**1. Elementary Course.** Seven hours a week in class, section, and the language laboratory.

Elective for Freshmen. First semester. Professor Cannon and assistant.

**3. Intermediate Course.** Review of grammar; oral practice. Reading and analysis of selected texts. Six hours per week in class, section and language laboratory.

Elective for Freshmen. First semester. Professor Rinnander and assistant.

**3s. Intermediate Course.** Same description as above.

Second semester. Professor Cannon.

**5. Advanced Course.** The purpose of this course is to develop a high level of proficiency in reading and in aural comprehension, and to work toward a control of the fundamentals of oral and written expression. Reading of significant fiction, plays, and essays from the modern period. Six hours per week in class, section and language laboratory. Conducted in Spanish.

Elective for Freshmen. First semester. Professor Cannon and assistant.

**5s. Advanced Course.** Same description as above.

Second semester. Professor Rinnander and assistant.

**7s. Composition and Conversation.** A review of Spanish grammar with practice in original composition, improvisation and role playing. Five hours per week of classroom and section work.

Requisite: Satisfaction of the language requirement in Spanish. Elective for Freshmen. Second semester. Professor Rinnander.

**11. Introduction to Hispanic Civilization.** Study and discussion of such texts as the *Lazarillo* and a modern novel; *Fuenteovejuna* and *Bodas de sangre*; romances and other kinds of poetry. Conducted in Spanish. Three hours of classroom work per week.

Requisite: Satisfaction of the language requirement in Spanish. Elective for Freshmen. First semester. Professor Rinnander.

**11s. Introduction to Hispanic Civilization.** Same description as above.

Second semester. Professor Cannon.

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**21. Spanish Drama of the Golden Age.** Close reading of selected plays by the major dramatists of the XVIIth century: Lope de Vega, Calderón de la Barca, Tirso de Molina, and others. Comparison to related French and English works. Conducted in Spanish. Three hours of classroom work per week.

Requisite: Spanish 11 (11s) or equivalent. Elective for Freshmen. First semester. Omitted 1967-68. Professor Rinnander.

**22. Spanish American Literature.** Reading and discussion of the poetry and prose of such writers as Ercilla, Echeverría, Bello, Sarmiento, Gallegos, Güiraldes, Borges. Conducted in Spanish. Three hours of classroom work per week.

Requisite: Spanish 11 (11s). Elective for Freshmen. Second semester. Omitted 1967-68. Professor Johnson.

**23s. Cervantes.** A study of Cervantes and his art. Emphasis on *Don Quijote de la Mancha*. Conducted in Spanish. Three hours of classroom work per week.

Requisite: Spanish 11 (11s). Elective for Freshmen. Second semester. Professor Rinnander.

**24f. Spanish Literature Since 1898.** A study of major writers in their cultural context. Particular authors considered will vary from year to year, but special attention will ordinarily be given to Unamuno, Ortega, Machado, and Lorca. Conducted in Spanish. Three hours of classroom work per week.

Requisite: Spanish 11 (11s). Elective for Freshmen. First semester. Professor Cannon.

**H30. The Spanish Mystics.** A study of the growth and development of Spanish mysticism, with emphasis on Santa Teresa de Jesús and San Juan de la Cruz. Conducted in Spanish. Two hours of classroom work per week. A half course.

Requisite: consent of the instructor. Second semester. Professor Cannon.

**H31. The Picaresque Novel: Studies in Mobility.** Selected readings in the novel of social mobility from its Spanish antecedents in the 16th century to the present. The interaction of individual men with their societies as novelistic theme and the variety of artistic expressions of it. Lectures and discussions in English; readings in the original or in English, according to student ability. Two hours of classroom work per week. A half course.

Requisite: consent of the instructor. First semester. Professor Rinnander.

**77. Conference Course for Seniors.**

First semester.

**D78. Conference Course for Seniors.** A double course.

Second semester.

**97, H97, 98, H98. Special Topics.** A full or half course.

First and second semesters.



# Area Studies and Special Programs

## ASIAN AND AFRICAN STUDIES

The following regular Amherst College courses are included in Asian and African Studies: Economics 36; History 45, 46, 47s, 48f, 51, 52, 54, 75, and 76; and Political Science 44.

A number of courses are offered at neighboring institutions. The number of these has, in recent years, become too large to list here in full. Therefore, interested students are referred to a separate printed list of the 79 Asian and African courses available in the four-college area during the academic year 1967-68. This list is available from faculty members in the social sciences or in the offices of the Registrar and the Dean of the Faculty.

A general statement on four-college courses will be found in the introduction to the Announcement of Courses. A complete list of descriptions and enrollment information may be obtained from the Registrar.

## LATIN AMERICAN STUDIES

A list of courses has been compiled as an aid to students in the Five-College area seeking programs on Latin America or with Latin American content, containing both general courses which embody topics dealing with Latin America as well as courses devoted substantially or exclusively to the area. The Spanish language is taught at Amherst and Mount Holyoke Colleges, and both Spanish and Portuguese are taught at Smith College and the University of Massachusetts. Mt. Holyoke offers an interdepartmental major in Latin American Studies, while Smith offers two programs in Hispanic-American Studies, one in literature and the second in fields other than literature. A Certificate Program in Latin American Studies will be available, subject to approval, at the University of Massachusetts.

The list of courses in Latin American Studies, complete descriptions of individual courses, and enrollment information may be obtained from the Registrar.

## EDUCATION

Professor Kennedy; Associate Professors Grose and Hawkins; Assistant Professor Olver

The following courses offered by the several departments are listed for the convenience of students who are interested in education and teaching.



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**Philosophy of Education.** Same course as Philosophy 23.

Elective for Sophomores. First semester. Omitted in 1967-68. Professor Kennedy.

**Developmental Psychology.** Same course as Psychology 27.

Requisite: Psychology 11. Elective for Sophomores with the consent of the instructor. Limited to fifteen students. First semester. Professor Olver.

**Educational Psychology.** Same course as Psychology 34.

Requisite: Psychology 11. Elective for Sophomores with the consent of the instructor. Limited to fifteen students. Second semester. Professor Grose.

**Seminar in American Educational History.** Same course as History 66.

Limited to fifteen students. Second semester. Professor Hawkins.

## HISTORY OF SCIENCE

Professor Fruchtbaum\*

History of Science is offered under a four-college program. Different courses are offered on the respective campuses as indicated, and are rotated from year to year. None of these courses will be offered in 1967-68.

**The Newtonian Synthesis.** The biological and physical sciences from the Greeks to the nineteenth century with the focus on the work and influence of Newton, his predecessors, opponents and followers. The course emphasizes the significance of scientific ideas in intellectual history. One two-and-a-half hour meeting per week.

Elective for Juniors and, with the permission of the instructor, for Sophomores. Offered at Smith College. First semester. Omitted 1967-68. Professor Fruchtbaum.

**The Darwinian Revolution.** Themes in the history of nineteenth century science with the focus on the work and influence of Darwin, his predecessors, opponents and followers. The role of biology, physics, and the sciences of man in shaping the modern world view is examined. One two-and-a-half hour meeting per week. History 69 at Amherst.

Elective for Juniors, and, with the permission of the instructor, for Sophomores. Offered at Amherst. First semester. Omitted 1967-68. Professor Fruchtbaum.

**The Social Setting of Science.** A history of scientific institutions and the professionalization of science. The state as a promoter of technology and the scientist as a maker of public policy are treated. One two-and-a-half hour meeting per week.

\*On leave 1967-68.

## LEGAL STUDIES

Elective for Juniors, and, with the permission of the instructor, for Sophomores. Offered at Mount Holyoke. First semester. Omitted 1967-68. Professor Fruchtbaum.

**The Non-Scientific Foundations of Science.** The influence of theology and philosophy on the history of science. Topics include the role of teleology and natural theology in the development of astronomy, geology and biology, and the interrelations of science and religion. One two-and-a-half hour meeting per week.

Elective for Juniors, and with the permission of the instructor, for Sophomores. Offered at Smith. Second semester. Omitted in 1967-68. Professor Fruchtbaum.

**Science in America.** A history of scientific ideas and institutions in America from the colonial period to the twentieth century. Lectures and discussions will consider the mutual impact of science and American culture. One two-and-a-half hour meeting per week. History 70 at Amherst.

Elective for Juniors, and with the permission of the instructor, for Sophomores. Offered at Amherst. Second semester. Omitted 1967-68. Professor Fruchtbaum.

## LEGAL STUDIES

Professors Havighurst, Latham, and Ziegler

**Foundations of English Law and the Constitution.** Same course as History 39. Origins of the English Constitution; growth of common law; evolution of Parliament; development of monarchy; major constitutional issues since 1485. Lectures, discussion and individual projects.

First semester. Professor Havighurst.

**American Constitutional Development.** Same course as Political Science 41. The development of American constitutional philosophy since 1787 under three general heads: The Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crisis of 1935-1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Stone, Black, and Frankfurter.

First semester. Professor Latham.

**Administrative Law.** Same course as Political Science 42. An introduction to the American system of legal control exercised by other law administering

## AMHERST COLLEGE

agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibilities for the enforcement of agency programs; and the nature and extent of judicial control over administrative action.

Limited to 25 students. Second semester. Omitted 1967-68. Professor Ziegler.

**International Law.** Same course as Political Science 46. The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government.

Second semester. Professor Ziegler.

# IV

LECTURESHIPS

HONORS

FELLOWSHIPS

PRIZES AND AWARDS

DEGREES CONFERRED





# Lectureships

**The Henry Ward Beecher Lectureship.** This lectureship fund of \$10,000 was founded by the late Frank L. Babbott, LL.D., of the Class of 1878, in honor of Henry Ward Beecher, of the Class of 1834. The incumbent is appointed biennially by the Faculty for supplementary lectures in the departments of history and the political, social, and economic sciences.

**The Clyde Fitch Fund.** A fund of \$20,000 was established by Captain and Mrs. W. G. Fitch of New York in memory of their son, Clyde Fitch, of the Class of 1886. The income of this fund is to be used for the furtherance of the study of English literature and dramatic art and literature. The whole or part of this income is usually devoted to the remuneration of an eminent lecturer, who may also take a part in the regular instruction of the College.

**The John Woodruff Simpson Lectureship.** A fund now amounting to \$204,800 was established in memory of John Woodruff Simpson, of the Class of 1871, by his wife and daughter. The income is to be used for fellowships and "to secure from time to time, from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

**The George William and Kate Ellis Reynolds Lectureships.** A fund of \$150,000 established by the late George W. Reynolds of the Class of 1877 provides an annual income of approximately \$10,000 which is divided into three equal parts to provide lectureships on Christ and Christianity, Science, and American Democracy.

# Honors

## THE PHI BETA KAPPA SOCIETY

**Massachusetts Beta Chapter.** The students elected to membership in this honor society are those of highest standing and are normally candidates for the degree with honors. A preliminary election of outstanding students occurs at the end of the first semester of Junior year; and further elections occur at the end of the first semester and at commencement time of Senior year. Membership is extended to about a tenth of the students in each class.

### OFFICERS

*President:* John Ratté

*Vice-President:* Joel E. Gordon

*Secretary-Treasurer:* Douglas E. Crabtree

*Undergraduate President:* William Kai-Sheng Wang, '67

*Undergraduate Secretary-Treasurer:* David Stifler Johnson, '67

### INITIATES

#### **Class of 1968**

James Harris Mersey\*

Tenney J. Nathanson\*

Mark Austin Peterson\*

Robert Alexander Taggart, Jr.\*

Alan George Wasserstein\*

#### **Class of 1967**

David Evans Andrews

Frederick Douglass Moses Aronow

Martin Elliott Bickman

John Andrew Billings

William Pierce Boger, III

Benjamin Michael Brosgol

John Webber Buell\*

Michael Ian Campbell

Ronald Ian Clyman\*

Stephen Bruce Cohen\*

Gregory Victor Dropkin

David Lee Duffy

Peter Brown Erickson

William Alan Fischel

Dorian Joseph Fliegel

Michael Charles Gallant

Christopher Godfrey Goff

Kenneth Ralph Goodearl

David Greene

Michael Robert Haines

Jeffrey Connor Hall

Keith Stuart Heller

Alan Mark Hershey

James Inglis

David Stifler Johnson\*

Glenn Roger Johnson

Jeffrey Warren Karol

Christopher Lee Kaufman

Shigenari Kawashima\*

Mark Stuart Kierstead

Gordon Avery Lake

David Alan Lass

\*These students elected in their Junior year.

## HONORS

James Alan Levine  
Ronald Kian Hong Liem  
Laurence Sam Lustgarten  
Douglas John MacPhillamy  
George Neal McNeil, Jr.  
Edwin George Minkley, Jr.  
George Harlan Nash, III\*  
David Price  
Jerald Van Reneau  
Stephen Erik Richman  
Ronald Gary Rubin

William Newton Ryerson, III  
Robert George Schwemm  
Jeffrey Seymour Stern  
Paul Jergens Stumpf  
Edward Francis Xavier Tivnan  
William Kai-Sheng Wang\*  
Thomas Francis Weiskel  
Joseph Burt Weissberg  
Harold Richard Wilde  
Jeremy Nathan Williams  
John Hugh Wolff

## THE SOCIETY OF THE SIGMA XI

Sigma Xi, the National Honorary Scientific Research Society, was founded in 1886; the Amherst Chapter was installed March 23, 1950. As one of its purposes the Society gives recognition to those students, members of the faculty, research associates, and alumni who have demonstrated ability to carry on constructive scientific research or who show definite promise of research ability. Other functions are the maintenance of companionship among investigators in the various fields of science, the holding of meetings for the discussion of scientific subjects, and the fostering of an interest in scientific research in the College.

Undergraduates, masters candidates, and others who show definite promise of research ability are typically recommended to associate membership by the departments concerned. In the case of undergraduates, nomination is usually given only to those students whose promise of research ability would warrant recommendation for at least a degree *magna cum laude* (entirely aside from the question of grades).† At present the chapter has a total membership of some 100 faculty and students.

## OFFICERS

*President:* Professor George W. Kidder  
*Vice-President:* Professor Colby W. Dempsey  
*Secretary-Treasurer:* Professor Bryce M. Hand

\*These students elected in their Junior year.

†Full membership is reserved for individuals who have already published at least one scholarly paper.

## AMHERST COLLEGE

### INITIATES 1967

#### Full Membership

Douglas Everett Crabtree  
Charles Herbert Ellis, Jr.  
David Joe Schneider  
William Frederick Zimmerman

#### Associate Membership

Mark Harold Allen  
David Evans Andrews  
William Pierce Boger, III  
Benjamin Michael Brosgol  
Ronald Ian Clyman  
Douglas Reese Cole  
Charles Godvin Cunningham, Jr.  
Gregory Victor Dropkin  
David Lee Duffy  
James Patrick Finerty  
John Howard Freeman  
Christopher Godfrey Goff  
Kenneth Ralph Goodearl  
James Simeon Goodwin  
David Greene

Jeffrey Connor Hall  
Keith Stuart Heller  
James Inglis  
David Stifler Johnson  
Edward Roger Jones, III  
John Eric Laestadiur, Jr.  
Ronald Kian Hong Liem  
George Neal McNeil, Jr.  
Edwin George Minkley, Jr.  
Warren Roger Muir  
Ralph Francis Nelson  
Donald Beuter Nixon  
Thomas John Ostwald  
Lester Scott Permesly  
William Newton Ryerson, III  
William Steven Shaw  
Richard Raymond Spies  
John Shearing Stuckless  
Joseph Burt Weissberg  
John Hugh Wolff  
Edward Lawrence Yourtee

## THE BOND FIFTEEN

From the fifteen Seniors who have attained the highest general standing at the end of the first semester of senior year, two speakers are selected upon the basis of literary and orational merit to deliver orations during Commencement Week End. The Bond Prize of one hundred dollars, given by Ephraim W. Bond of the Class of 1841, is awarded to the speaker who delivers the best oration.

### THE BOND FIFTEEN 1967

Benjamin Michael Brosgol  
John Webber Buell  
Ronald Ian Clyman  
Stephen Bruce Cohen  
Christopher Godfrey Goff  
Kenneth Ralph Goodearl  
David Stifler Johnson  
Christopher Lee Kaufman

Douglas John MacPhillamy  
Edwin George Minkley, Jr.  
George Harlan Nash, III  
Stephen Erik Richman  
Paul Jergens Stumpf  
William Kai-Sheng Wang  
Thomas Francis Weiskel

## DELTA SIGMA RHO- TAU KAPPA ALPHA

Delta Sigma Rho-Tau Kappa Alpha, a national honor society in forensics, was formed by the merging of Delta Sigma Rho and Tau Kappa Alpha in 1963. Delta Sigma Rho was founded in 1906; the Amherst Chapter was admitted to Delta Sigma Rho in 1913. Tau Kappa Alpha was founded in 1908. The purpose of the Society is to encourage sincere and effective public speaking and to recognize achievement in this field of endeavor. To qualify for membership students must have participated in intercollegiate debating and be in the top thirty-five per cent of their class. Members-at-large may be elected to recognize outstanding contributions to forensics.

### GRADUATE MEMBERS

Mr. James Alfred Guest

Professor Hugh Dodge Hawkins



# Fellowships

THE College's funds for fellowships aggregate \$538,000. From the income of these funds fellowships are awarded annually to graduates of Amherst College, and in some instances to graduates of other colleges, for study in graduate or professional schools. Applications should be made in writing to the Dean before March first.

The names of those to whom fellowships have been awarded for the current year will be found on pages 19-21.

**The Amherst-Doshisha Fellowship.** Amherst-Doshisha Fellowship at Amherst House, Doshisha University, Kyoto, Japan. An opportunity to work in a bi-cultural setting with Professor Otis Cary, Director of Amherst House, is open to young alumni of the College for a term of one, or in some cases, two years. Travel expenses and a modest stipend are paid by the College. The recipient will be given the opportunity of assisting Otis Cary in the activities of Amherst House and also in teaching English to Japanese students. No knowledge of Japanese is required.

The fellowship offers a stipend of \$1,800, a travel allowance of \$1,400, and incidental expenses of \$250. Preferably the fellowship year would be from September of one year to the following August. It carries with it formal teaching responsibilities in the English language at Doshisha University, at the freshman and sophomore level. The academic year at Doshisha has allowed all fellows to make an extended trip through South East Asia during February and March.

Applicants should apply to the President of the College, with a view to having a decision in mid-February.

**The Amherst Memorial Fellowships for the Study of Social, Economic, and Political Institutions, and for Preparation for Teaching and the Ministry.** A fund of \$124,900 provides fellowships to perpetuate the memory of those Amherst men who gave their lives for an ideal. The following statement expresses the purposes of the donor of these fellowships: "Realizing the need for better understanding and more complete adjustment between men and existing social, economic, and political institutions, it is my desire to establish a fellowship for the study of the principles underlying these human relationships."

Appointments to these fellowships may be made from the graduating class or the alumni of Amherst College or of other colleges, the object being to permit men of character, scholarly promise, and intellectual curiosity to investigate some problem in the humanistic sciences. Candidates should be men of sound health. During previous training they should have given evidence of marked mental ability in some branch of the social sciences

—history, economics, political science—and have given promise of original contribution to a particular field of study. It is desirable that they possess qualities of leadership, a spirit of service, and an intention to devote their efforts to the betterment of social conditions through teaching in its broad sense, journalism, politics, or field work.

While preference is given to candidates planning to do advanced work in the field of the social sciences, applications will be accepted and awards made to candidates who are planning to go to theological school as a preparation for a career in the ministry and to those from other fields than the social sciences who are preparing for a career in teaching in secondary schools or colleges.

Appointments may be made for terms of two years. Tenure may, however, be shorter or longer, depending upon the nature of the subjects investigated or upon other circumstances which, in the judgment of the committee, warrant a variation in the length of tenure.

The stipend will vary according to the circumstances of the appointment. Awards will depend upon those aspects of individual cases which, in the judgment of the committee, most suitably fulfill the purpose of the foundation.

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

**The Henry P. Field Fellowships.** Two fellowships of \$500 each are available from the income of the bequest of the late Henry P. Field of the class of 1880, to promote graduate study in the fields of English and History. Appointments are made annually by the College on the recommendation of the departments of English and History.

**The Edward Hitchcock Fellowship.** The income from a fund of \$20,000 founded by the late Mrs. Frank L. Babbott of Brooklyn, N.Y., is available for the promotion of graduate study in the department of physical education. Its object is to make the student familiar with the best methods of physical training, both in the gymnasium and on the field. The appointment is made by the Faculty.

**The Roswell Dwight Hitchcock Memorial Fellowship.** A fund of \$8,900, established through the agency of the Alpha Delta Phi Fraternity, provides an annual award under conditions determined by the Faculty, to a member of the senior class for excellence in history and the social and economic sciences. The holder of the Fellowship pursues for one year, at an institution approved by the Faculty, a course of study in history or economics, to be completed within the period of two years next following graduation. The amount of the Fellowship is paid in two installments, one on completion of one-half the year's work, the other at the end of the year.

**The Rufus B. Kellogg University Fellowship.** The income from a fund of \$63,000 established by the late Rufus B. Kellogg of the Class of 1858 pro-

## AMHERST COLLEGE

vides certain prizes, and a fellowship award for three years to an alumnus of Amherst College, who shall be appointed upon the following conditions:

1. He shall be elected by the Faculty from the members of the class graduated at the close of the academic year in which this election shall be made, or from the members of the classes graduated in the six years immediately preceding the academic year in which this election shall be made.

2. The faculty shall select as the incumbent of the said Fellowship the man who, in their judgment, is best equipped for study and research, without regard to any other considerations whatsoever, except that he should have an especially good knowledge of at least one modern foreign language and should have had at least one year of Latin in preparatory school or college.

3. The three years shall be spent by the incumbent at a German University, or with the approval of the said Faculty at any other place or places, in the study of philosophy, philology, literature, history, political science, political economy, mathematics or natural science. At least one college term of the final year shall be spent by the incumbent at Amherst College, where he shall give a series of not more than thirty lectures on a subject selected by himself and approved by the Trustees. The lectures shall be given to the Senior class, but the members of all other classes shall have the privilege of attending. The incumbent shall have his lectures published, at the end of his official term, in good book form, or in a learned journal.

**The Edward Poole Lay Fellowship.** The income from a fund of \$43,300, established by Frank M. Lay, of the class of 1893, and Mrs. Lay, in memory of their son Edward Poole Lay, of the class of 1922, provides for a fellowship to be awarded to a graduate of Amherst College who has shown unusual proficiency and talent in music, and who desires to continue his studies in this field. Preference is to be given to a candidate who is proficient in voice. In the event that there is no qualified candidate for the award in any one year in the musical arts (especially voice and instrumental music), then it may be awarded under the same conditions to a qualified candidate in the field of the dramatic arts.

This fellowship will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

**The Roland Wood Fellowship.** Awarded annually upon the recommendation of the Department of Dramatic Arts as a fellowship to one or more promising and deserving graduates of Amherst College for continued study in or of the theater.

**The Forris Jewett Moore Fellowships.** These fellowships, three in number, were established in memory of Forris Jewett Moore of the class of 1889

by his widow, Emma B. Moore. In each case, the beneficiary is to be a member of the graduating class of the year preceding that in which he holds the Fellowship.

1. A fund of \$26,700, the income of which is to be used to assist some graduate of Amherst College who has distinguished himself in the study of chemistry while an undergraduate, and who desires to engage in further study of that subject. Preference is to be given to eligible candidates whose plans lie in the field of organic chemistry.

2. A fund of \$21,400, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of history while an undergraduate, and who desires to engage in further study of that subject.

3. A fund of \$24,400, the income of which is to be awarded to a graduate of Amherst who has distinguished himself in the study of philosophy while an undergraduate and who desires to engage in further study of that subject.

**The George Stebbins Moses Memorial Fellowship.** The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader and a lover of ordinary people, and who is qualified scholastically to meet the calling of a theological career creditably. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The recipient will be selected by the Fellowship Committee acting with the Minister to the College and, ordinarily, will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

**The George A. Plimpton Fellowships.** These fellowships, established by the Board of Trustees of Amherst College in memory of George A. Plimpton of the class of 1876, a member of the Board from 1890 to 1895 and from 1900 to 1936, and President of the Board from 1907 to 1936, are to be awarded without stipend to members of the senior class who are of outstanding scholastic ability and promise, who plan to continue their studies in graduate school, and who are not in need of financial assistance.

These fellowships will be awarded by the Board of Trustees upon recommendation of the Faculty Fellowship Committee.

**The Charles B. Rugg Fellowship.** The income from a fund of \$25,000 established in memory of Charles Belcher Rugg, of the Class of 1911, provides a fellowship to be awarded to an Amherst graduate who shows promise for the study of law. The award is made annually to aid a young man beginning



## AMHERST COLLEGE

a legal career, but it may be renewed for a second or third year upon recommendation of the Fellowship Committee.

**The John Woodruff Simpson Fellowships and Lectureships.** A fund now amounting to \$205,100 was established in memory of John Woodruff Simpson of the class of 1871, by his wife and daughter. The uses of the income as defined by the donors follow:

"1. To award to any graduate of Amherst College a fellowship for use in studying law at any school approved by the Board of Trustees of the College;

"2. To award to any graduate of Amherst College a fellowship for use in studying medicine at any school approved by the Board of Trustees of the College;

"3. To award to any graduate of Amherst College a fellowship for use in studying theology at any school approved by the Board of Trustees of Amherst College, without regard to the particular creed or particular religious belief taught thereat;

"4. To award to any graduate of Amherst College a fellowship for use in studying at any school, college or university approved by the Board of Trustees of the College, in preparation for the teaching profession;

"5. To award to any graduate of Amherst College a fellowship for use in graduate study at the universities of Oxford or Cambridge in England;

"6. To award to any graduate of Amherst College a fellowship for use in graduate study at the Sorbonne in Paris;

"7. To secure from time to time from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

**The Sterling P. Lamprecht Fellowship.** From the income of \$30,000, a fellowship is awarded to a recent graduate of Amherst College for assistance in the pursuit of philosophy. This fellowship may be awarded to the same man for a maximum of three years. It need not be awarded at all in one particular year, and it might be, if there were no suitable graduate, awarded to an undergraduate in which case it would be known as the Sterling P. Lamprecht Scholarship. Preference, however, would be given for graduate study.

**The Benjamin Goodall Symon, Jr. Memorial Fellowship.** The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader, and who is qualified scholastically to meet the calling of a theological career creditably, although



he may plan to use the divinity school training for work in another field. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The recipient will be selected by the Fellowship Committee acting with the Minister to the College and, ordinarily, will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

**Fellowships Awarded by the American Schools of Classical Studies at Athens and Rome.** The attention of graduate students interested in the Classics and in Archaeology and Ancient Art is called to the opportunities offered by the American Schools of Classical Studies at Athens and Rome. As the College contributes regularly to the support of these schools, any Amherst graduate may enjoy the privileges of study at either school without charge for tuition and may compete for the annual fellowships which they offer. Further information may be obtained from any teacher of Classics at the College.

**Columbia—Amherst Memorial Fellowship in History.** This fellowship offered jointly by Amherst and Columbia is open to Amherst students in the graduating class for the study of History (preferably European History) at Columbia University. The stipend is determined on the basis of need but may be as much as \$2,500. It may be renewed for a second year if a student's record justifies such a renewal.

**Yale—Amherst Memorial Fellowship in History.** This fellowship offered jointly by Amherst and Yale is open to Amherst students in the graduating class for the study of History (preferably American History) at Yale University. The stipend is determined on the basis of need but may be as much as \$2,500. It may be renewed for a second year if a student's record justifies such a renewal.

# Prizes and Awards

THE following prizes are offered annually for proficiency in the work of the several departments of collegiate study, and for other qualifications. The recipients of awards for the previous year are named in each case.

## AMERICAN STUDIES

**The George Rogers Taylor Prize**, to be awarded annually to the sophomore who in the opinion of the American Studies Department shows most promise for creative and scholarly work in the field of American Studies. *Dennis Aftergut*, '69.

## ART

**The Anna Baker Heap Prize**, from the income of a fund of \$2,000, established by the late Arnold N. Heap of the class of 1873; \$160 is awarded to that Senior who submits the best essay in the field of "Art." *Richard Gregory Minutillo*, '67.

**The Athanasios Demetrios Skouras Prize** of \$75 is given annually by an anonymous donor in the memory of Athanasios Demetrios Skouras, of the Class of 1936, who died in 1943 in Athens, Greece, as a result of Nazi reprisal killings. The prize is given to a student who in the opinion of the Fine Arts Department has created an outstanding work of art or architecture or to a student who, in the opinion of the Music Department, was pre-eminent in music composition or rendition of a musical selection. Preference to be given in the fine arts. *Frederick Douglass Moses Aronow*, '67.

## BIOLOGY AND GEOLOGY

**The Harvey Blodgett Scholarship**, from the income of a fund of \$2,800, established by Frederick H. Blodgett in memory of his grandfather, Harvey Blodgett of the class of 1829, is awarded to aid student work in biology and geology in their educational phases as distinct from their more technical and strictly scientific phases. Combined with The Phi Delta Theta Scholarship and awarded to *Douglas Loring Schneider*, '67.

**The Phi Delta Theta (Sigma) Scholarship**, from the income of a fund of \$600, established by the Phi Delta Theta Fraternity, is awarded as a scholarship at the Woods Hole Marine Laboratory to a student for proficiency in biology. Combined with The Harvey Blodgett Scholarship and awarded to *Douglas Loring Schneider*, '67.

## PRIZES AND AWARDS

**The Oscar E. Schotté Prize**, an award to be given to "that member of the graduating class who in the opinion of the Department has done the best independent work in Biology." *William Newton Ryerson, III, '67.*

**The Oscar E. Schotté Scholarship** is awarded annually to a member of the junior or senior class majoring in science to enable him to complete a special project during the summer months. *Joseph Burt Weissberg, '67.*

## CHEMISTRY AND MEDICINE

**The Howard Waters Doughty Prize**, from the income of a fund of \$1,200, given anonymously; \$95 is awarded to that member of the senior class who, in the opinion of the chemistry department, has prepared the best honors thesis. Divided equally among *Edward Roger Jones, III, '67; Ronald Kian Hong Liem, '67, and Warren Roger Muir, '67.*

**The Frank Fowler Dow Prizes**, part of the income from a fund established by Fayette B. Dow, '04, in memory of his father; \$300 is awarded to a member or members of the junior or senior class preparing to enter medical school and whose undergraduate work indicates a career of usefulness and distinction in medicine. Divided equally among *John Andrew Billings, '67; David Lee Duffy, '67, and Michael Charles Gallant, '67.*

## DRAMATICS

**The Raymond Keith Bryant Prize**, an annual gift of \$35 from Robert E. and Ethel M. Bryant in memory of their son, Raymond Keith Bryant, of the class of 1936, is awarded to that undergraduate who, in the opinion of a board of judges, gives the best single performance of the year in a Masquers' play. *Paul Richard Saronson, '67.*

## ECONOMICS

**The W. T. Akers, Jr. Prize** of \$50, provided by an annual gift from W. T. Akers, Jr., of the class of 1927, is awarded to that undergraduate who has, in the opinion of the economics department, written and submitted the best honors essay in economics. *Stephen Bruce Cohen, '67.*

**The Merrill Center Prize**, a prize of \$100 to be given to that member of the senior class who, in the opinion of the Economics Department, has written an honors thesis of distinction upon a subject related to capital formation and economic growth. *Irvin Dean Gordon, '67.*

**The Hamilton Prize**, established by his former students in memory of Professor Walton Hale Hamilton, distinguished member of the Department of Economics from 1915 to 1923, consisting of a collection of economics books,

## AMHERST COLLEGE

is awarded to that student other than a senior who ranks highest in the introductory economics course. *Gary Paul Forester, '69.*

**The Sylvester Award**, supported by an annual gift from Albert L. Sylvester of the class of 1924, goes to the junior majoring in economics, who has shown himself outstanding in his work in that Department while maintaining a worthy general average. If the recipient is already on the scholarship list, the award is \$750; if not, the award is a prize of \$100 and the remainder goes to Frost Library for the purchase of books in economics. *David Max Weinstein, '68.*

## ENGLISH

**The Academy of American Poets Prize**, of \$100, made possible by a gift of Harry Woodbourne, is awarded annually for the best poem or group of poems, preferably on nature, submitted by an undergraduate. *Richard Stephen Preston, '69.*

**The Armstrong Prize**, from the income of a fund of \$2,700, established in part by Collin Armstrong of the class of 1877 in memory of his mother Miriam Collin Armstrong, awarded in the form of books to the value of \$110 to members of the freshman class who excel in composition. *Robert Stewart Kyff, '70.*

**The Collin Armstrong Poetry Prize**, from the income of a fund of \$2,700, established in part by Mrs. Elizabeth H. Armstrong; \$110 is awarded to the undergraduate author of the best original poem or group of poems. *William Henry Clamurro, '67.*

**The Corbin Prize**, from the income of a bequest of \$1,000 established by the estate of William Lee Corbin of the Class of 1896; \$85 is awarded for an outstanding original composition in the form of poetry or an informal essay. *Thomas Francis Weiskel, '67.*

**The John Franklin Genung Prize**, of \$50, given each year anonymously in memory of Professor Genung, is awarded to that member of the junior or senior class who excels in prose composition. No Award.

**The Harry Richmond Hunter, Jr. Prize**, from the income of a fund of \$1,400, established by H. R. Hunter and Emma Louise Hunter in memory of their son, Harry Richmond Hunter, Jr. of the class of 1929; \$50 is awarded to that member of the sophomore class who presents the best essay on a topic approved by the English department. No Award.

**The Peter Burnett Howe Prize** for excellence in prose fiction, established by a gift of Robert B. Howe of the class of 1930 in memory of his son Peter Burnett Howe, '60. The prize is awarded to an undergraduate for excellence in prose fiction. *William Jeffrey Simpson, '67.*

## PRIZES AND AWARDS

**The Ralph Waldo Rice Prize**, from the income of a fund of \$1,800, established by Mrs. Mary Rice Jenkins in memory of her brother, Ralph Waldo Rice, of the class of 1910; \$150 is awarded for the best essay on "The Liberal College and Christian Citizenship" or any other subject named by the Faculty. *Albert James vonFrank, '67.*

### GREEK

**The William C. Collar Prize**, from the income of a fund of \$1,400 established by the late William C. Collar of the class of 1859; \$115 is awarded to the member of the freshman class who shall make on a written examination the best version in English of a previously unseen page from some Greek author. *Michael Matthew Kaplan, '70.*

**The Hutchins Prize**, from the income of a fund of \$1,400, established by the late Waldo Hutchins of the class of 1842; \$115 is awarded to an upper-classman for excellence in Greek. The scholarship is determined chiefly by the regular recitations and examinations of the department but special studies and examinations may also be required of the candidates. *Edward Francis Xavier Tivnan, '67.*

**The Harry De Forest Smith Scholarship** is awarded to a member of the freshman class enrolled in one of the regular courses in the Department of Greek. The award is made on the basis of an examination given at the candidate's school in the March preceding his entrance to college. Students who have had either two or three years of Greek at school are eligible for this scholarship. The amount of the stipend is based on the financial need of the winner according to the regular scholarship procedures of the College. It is renewable after freshman year in accordance with the regular scholarship policy. In cases where there is no demonstrable financial need, the winner will receive an honorary \$100 stipend for the first year. No Award.

### JOURNALISM

**The Samuel Bowles Prize**, from the income of a fund of \$4,200 established by the late Samuel Bowles King, '02; to stimulate interest in journalism as a career, a prize of \$325 is awarded to a student of the junior or senior class who has demonstrated proficiency in journalism. The income may be used from time to time for a scholarship or toward a lectureship. No Award.

### LATIN

**The Bertram Prizes**, from the income of a fund of \$2,600, established by the late John Bertram of Salem; two prizes of \$125 and \$75 each are awarded



## AMHERST COLLEGE

to those students who, together with attaining a high average in the Latin courses of the Senior Year, present the best essays on some approved topic connected with these courses. No Award.

**The Billings Prizes**, from the income of a fund of \$1,300, established by Frederick Billings in memory of Parmly Billings of the class of 1884; two prizes of \$70 and \$35 are awarded for general excellence in the Latin courses of the Sophomore Year together with the best essays on special topics connected with the authors read in that year. First Prize: *Gene Michael O'Grady*, '69; Second Prize: *Edward Andrew Joas*, '69.

**The Crowell Prizes**, from a fund of \$2,300 in memory of Edward Payson Crowell of the class of 1853; prizes of \$65 and \$30 are awarded for the highest scholarship in the freshman Latin courses; prizes of \$65 and \$30 are awarded to the students who, together with attaining a high average in the Latin courses of the Junior Year, present the best essays on some approved topic connected with the junior Latin course. Freshman Award: First Prize: *Donald John Mastronarde*, '70; Second Prize: *William Leaphart Carter*, '70. Junior Award: First and Second Prizes combined and divided between *Colin Farrish Hasse*, '68 and *Jeremiah Putnam Mead*, '68.

## MATHEMATICS, PHYSICS AND ASTRONOMY

**The Bassett Physics Prizes**, from the income of a fund of \$4,620 established by Preston Rogers Bassett of the class of 1913; two prizes up to \$100 and \$50 respectively may be awarded each year to those students who have distinguished themselves by the excellence and maturity of their performance in the class and laboratory work of the first course in Physics. First Prize: *William Thomas Vetterling*, '70; Second Prize: *Donald John Mastronarde*, '70.

**The Porter Prize**, from the income of a fund of \$600, established by the late Eleazer Porter of Hadley; a prize of \$50 is awarded for proficiency in first year astronomy. *David Edwin Altschul*, '69.

**The William Warren Stifler Prize**, from the income of a fund of \$1,000, created by the late Professor Stifler; \$85 is awarded to a senior who has majored in physics and who is nominated by the teaching staff of the department for excellence in work in the courses of physics for the junior and senior years, with special weight in the course on electricity and magnetism. *David Evans Andrews*, '67.

**The Walker Prizes**, from the income of a fund of \$6,000, given by the late William J. Walker of Newport, Rhode Island; two prizes of \$160 and \$90 are awarded for proficiency in mathematics of the first year, and two prizes of \$160 and \$90 for proficiency in mathematics of the second year. In each case the award is determined by an examination. First Year: First Prize,

## PRIZES AND AWARDS

*Michael James Naughton, '70; Second Prize: divided between William Edelstein, '70 and Donald John Mastronarde, '70. Second Year: First Prize, Christopher Jerrell Leininger, '69; Second Prize, Divided between David James Hills, '69 and William Lee Meadow, '69.*

## MUSIC

**The Eric Edward Sundquist Prize**, from the income of a fund established anonymously in memory of Eric Edward Sundquist of the class of 1936; \$70 is awarded annually to that senior who has demonstrated excellence in musical composition and performance. Divided equally among *Michael Ian Campbell, '67; William Henry Clamurro, '67, and Charles Yoichi Kawada, '67.*

## PHILOSOPHY AND RELIGION

**The Moseley Prizes**, from the income of a fund of \$7,700 established by the late Thomas W. H. Moseley of Hyde Park; two prizes of \$420 and \$220 are awarded to members of the senior class for the best essays on a subject approved by the Department of Philosophy and Religion. First Prize: *Glenn Roger Johnson, '67. Second Prize: Thomas Francis Weiskel, '67.*

## PHYSICAL EDUCATION

**The Sawyer Prizes**, from the income of a fund of \$2,000, established by the late Edmund H. Sawyer, hon. 1878; \$165 is available for prizes for improvement in the department of Physical Education. Senior Class: *Jeffrey Connor Hall, '67. Sophomore Class: Stephen Weaver Collins, '69.*

## POLITICAL SCIENCE

**The Densmore Berry Collins Prize in Political Science**, of \$50, given annually by Miss Margaret S. Densmore in memory of her nephew Densmore Berry Collins, of the class of 1940. The award will be made to the student submitting the best honors thesis in Political Science. *Dennis Scott Meir, '67.*

## PUBLIC SPEAKING

**The Bancroft Prizes**, of \$330 and \$210, from the income of a fund of \$6,500 established by the late Frederic Bancroft of the class of 1882; awarded to the two members of the senior class who produce the best orations. Both composition and delivery are considered in making the awards. First Prize: *Michael Charles Gallant, '67. Second Prize: William Jeffrey Simpson, '67.*

**The Bond Prizes**, from the income of a fund of \$2,400 established by the

## AMHERST COLLEGE

late Ephraim W. Bond of the class of 1841; \$150 and \$50 are awarded for the best productions spoken at the Senior Chapel service. The awards are determined by a committee appointed by the Trustees upon nomination by the Faculty. No Award.

**The Gilbert Prize** of \$100 from the income of a fund established by the late William O. Gilbert of the class of 1890 is awarded to a member of the junior class who produces the best oration. Both composition and delivery are considered in making the award. *Daniel Chester Cochran*, '68.

**The Hardy Prizes**, from the income of a fund of \$1,300, established by the late Alpheus Hardy of Boston; prizes of \$70 and \$35 are awarded for excellence in extemporaneous speaking. First Prize: *Thomas Francis Weiskel*, '67. Second Prize: *Daniel Chester Cochran*, '68.

**The Kellogg Prizes**, from part of the income of a fund of \$54,500, established by the late Rufus B. Kellogg of the class of 1858; two prizes of \$70 and \$50 are awarded to members of the sophomore or freshman classes for excellence in declamation. First Prize: *Dwight Emmanuel Golann*, '69. Second Prize: *Wayne David Greenstone*, '69.

**The Rogers Prize**, from the income of a fund of \$1,400, given by Noah C. Rogers of the class of 1880; \$110 is awarded to a member of the junior class for excellence in debate. *Wilbert Andrew Achenbaum*, '68.

## SCHOLARSHIP AND CITIZENSHIP

**The Borden Freshman Prize**, from a fund established by the Borden Company, an award of \$200 is made annually to that member of the freshman class who has achieved the highest average grade for all college work taken during the freshman year. No award.

**The Addison Brown Scholarship**, from the income of a fund of \$6,300, established by the late Addison Brown of the class of 1852; \$525 is awarded to that member of the senior class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman, sophomore; and junior years. *George Harlan Nash, III*, '67.

**The Samuel Walley Brown Scholarship**, from the income of a fund of \$6,300, established by the late Samuel Walley Brown of the class of 1866; \$525 is awarded to that member of the sophomore class who at the end of his sophomore year shall in the estimation of the Trustees rank highest in his class in character, class leadership, scholarship, and athletic ability. *Felix Joseph Springer*, '68.

## PRIZES AND AWARDS

**The Frank A. Hosmer Scholarship**, from the income of a fund of \$15,000 established by Frank A. Hosmer of the class of 1875; \$600 is awarded to that member of the sophomore class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman year. *Michael Dennis Garrett, '69.*

**The Gordon B. Perry Memorial Award**, from the income of a fund of approximately \$1,500, provides a trophy and cash prize of \$120 to a freshman in good academic standing whose participation and attitude in freshman athletics and other activities are outstanding. *John Keith Goggin, '70.*

**The Porter Admission Prize**, from the income of a fund of \$1,200, established by the late Eleazer Porter of Hadley; \$100 is awarded each year to the member of the entering freshman class who is judged to have the best general record on the College Board tests taken for admission to Amherst. The name of the successful candidate, together with that of his school, is published in the catalog. *Donald John Mastronarde, '70, Thomas S. Weaver High School (Hartford, Connecticut).*

**The Psi Upsilon Prize**, from the income of a fund of approximately \$5,500, established by the Gamma Chapter of Psi Upsilon in 1941 on the occasion of the Centennial Anniversary of the founding of the Chapter; \$450 is awarded to that member of the graduating class who, in the opinion of a committee consisting of the President of the College, the Dean, and the Chairman of the Department of Physical Education and Intercollegiate Athletics, is considered to be "The First Citizen of the College." *Michael Charles Gallant, '67.*

**The John Sumner Runnells Memorial**, from the income of a fund of \$6,300, established in memory of John Sumner Runnells of the class of 1865; \$525 is awarded to that member of the sophomore class who shall in the opinion of the Trustees of the College be preeminent in his zeal for knowledge and industry to attain it. *Charles Stanley Hodge, '68.*

**The Obed Finch Slingerland Memorial Prize**, from the income of a fund of \$11,400 established by an anonymous donor; \$950 is awarded by the Trustees of the College to that member of the junior class, who, during his first three years at Amherst, has shown by his own determination and accomplishment the greatest appreciation of and desire for a college education. *Irvin Dean Gordon, '67.*

**The Sylvester Scholarship** of \$750 provided by an annual gift from Albert L. Sylvester of the Class of 1924, is awarded to a senior who, being already on the scholarship list, at the end of his junior year has combined most



## AMHERST COLLEGE

clearly outstanding success in extra-curricular activities, including athletics, with academic distinction in one or more fields. *Edward Francis Xavier Tivnan*, '67.

**The Stanley V. and Charles B. Travis Prize**, from the income of a fund of \$2,600; established by the late Charles B. Travis of the class of 1864; \$205 is awarded to that member of the graduating class who has made the most improvement as a man and as a scholar during his college course. Combined with the Woods Prize and divided between *David Stifler Johnson*, '67 and *George Neal McNeil, Jr.*, '67.

**The Woods Prize**, an annual gift of \$50 in memory of the late Josiah B. Woods of Enfield, is awarded for outstanding excellence in culture and faithfulness to duty as a man and as a scholar—particular attention being given in any prominent case to improvement during the four years' course. Combined with the Travis Prize and divided between *David Stifler Johnson*, '67 and *George Neal McNeil, Jr.*, '67.

**The Robert E. Bauser Memorial Award** of a twenty-five dollar United States savings bond (or its equivalent), is given at the close of every academic year to that member of the Senior Class who, in the opinion of the senior board of Radio Station WAMF, has been of the greatest service in the operation and development of the station, during his tenure as station member. This award is sustained in perpetuity of Amherst College by the Alpha Chi Chapter of Phi Gamma Delta in memory of its brother, Robert E. Bauser, '54. *Miles Bradley Anderson*, '67.

**The Ashley Memorial Trophy**, given by the Class of 1916 in memory of Thomas W. Ashley, '16, who was killed in action at Belleau Wood in 1918, is presented annually to the retiring member of the football team who, in the opinion of a committee consisting of the Coach, the Manager, and the Captain-elect, has best "played the game." *Ronald Norris Hoge*, '67.

**The Howard Hill Mossman Trophy**, awarded annually to the member of the senior class, who, in the opinion of a committee consisting of the President of the College, the Dean, the Chairman of the Department of Physical Education and Intercollegiate Athletics, and the President of the Student Council, has brought, during his four years at Amherst, the greatest honor in athletics to his Alma Mater—the word "honor" to be interpreted as relating both to achievement and to sportsmanship. *Paul Axtell Bunn, Jr.*, '67.

**The Lincoln Lowell Russell Prize**, from the income of a fund of \$1,200 established by the late J. W. Russell, Jr. of the class of 1899 in memory of his son; \$100 is awarded to that member of the graduating class who has done most to foster the singing spirit in Amherst College. *Gary Robert Ahlskog*, '67.



# Degrees Conferred

OCTOBER 29, 1966

MASTER OF ARTS

Joseph John Gauthier

BACHELOR OF ARTS

**Rite**

Paul Bernard Gallagher

Charles Peter Jacknow

Robert David Lewin

Walter Robert McEwen, Jr.

APRIL 15, 1967

BACHELOR OF ARTS

**Rite**

George Hewitt Jacobs

George Washington Morris, III

JUNE 2, 1967

BACHELOR OF ARTS

**Summa cum laude**

Stephen Bruce Cohen

*Independent Scholar*

*Wyncote, Pennsylvania*

Kenneth Ralph Goodearl

*Independent Scholar*

*Quaker Hill, Connecticut*

David Stifler Johnson, *Mathematics*

*Norfolk, Virginia*

George Harlan Nash, III

*Independent Scholar*

*South Hadley, Massachusetts*

**Magna cum laude**

David Evans Andrews, *Physics*

*Medford, New Jersey*

Frederick Douglass Moses Aronow

*Independent Scholar*

*Newton, Massachusetts*

Martin Elliott Bickman, *English*

*Brighton, Massachusetts*

John Andrew Billings

*Independent Scholar*

*Los Angeles, California*

William Pierce Boger, III, *Biophysics*

*Wayne, Pennsylvania*

Benjamin Michael Brosgol, *Mathematics*

*Philadelphia, Pennsylvania*

John Webber Buell, *American Studies*

*Grosse Pointe Farms, Michigan*

Michael Ian Campbell, *Music*

*San Mateo, California*

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- Ronald Ian Clyman, *Biophysics*  
Scarsdale, New York
- Gregory Victor Dropkin  
*Independent Scholar*  
Madison, Wisconsin
- David Lee Duffy, *Independent Scholar*  
Port Washington, New York
- Peter Brown Erickson, *English*  
Worcester, Massachusetts
- Jeffrey Mark Fine, *Psychology*  
Newton, Massachusetts
- William Alan Fischel, *Economics*  
Bethlehem, Pennsylvania
- Dorian Joseph Fliegel  
*Independent Scholar*  
Mineola, New York
- Michael Charles Gallant, *Philosophy*  
Teaneck, New Jersey
- Christopher Godfrey Goff, *Biophysics*  
Swansea, Massachusetts
- David Greene, *Psychology*  
White Plains, New York
- Michael Robert Haines, *Economics*  
Chicago, Illinois
- Jeffrey Connor Hall, *Biology*  
Bethesda, Maryland
- Keith Stuart Heller, *Biophysics*  
Valley Stream, New York
- Alan Mark Hershey, *Political Science*  
Pleasantville, New York
- James Inglis, *Mathematics*  
Shaker Heights, Ohio
- Glenn Roger Johnson, *Philosophy*  
West Hartford, Connecticut
- Jeffrey Warren Karol, *French*  
Newton Center, Massachusetts
- Mark Stuart Kierstead, *Political Science*  
Waterville, Maine
- Gordon Avery Lake, *Economics*  
Evanston, Illinois
- James Alan Levine, *English*  
Rockville Centre, New York
- Laurence Sam Lustgarten, *History*  
Brooklyn, New York
- Douglas John MacPhillamy  
*Anthropology-Psychology*  
Chatham, New Jersey
- George Neal McNeil, Jr., *Biology*  
Weston, Massachusetts
- Edwin George Minkley, Jr., *Biophysics*  
Holyoke, Massachusetts
- David Price, *English*  
Huntington, Long Island, New York
- Jerald Van Reneau, *Independent Scholar*  
Laconia, New Hampshire
- Stephen Erik Richman, *American Studies*  
Scarsdale, New York
- Ronald Gary Rubin, *Philosophy*  
Cleveland Heights, Ohio
- William Newton Ryerson, III, *Biology*  
Swarthmore, Pennsylvania
- Robert George Schwemm, *Economics*  
Barrington, Illinois
- Jeffrey Seymour Stern, *American Studies*  
Maplewood, New Jersey
- Edward Francis Xavier Tivnan  
*Independent Scholar*  
Worcester, Massachusetts
- Thomas Francis Weiskel, *English*  
Newton Center, Massachusetts
- Joseph Burt Weissberg, *Biology*  
Elizabeth, New Jersey
- Harold Richard Wilde, *Political Science*  
Wauwatosa, Wisconsin
- Jeremy Nathan Williams, *Economics*  
Westport, Connecticut
- John Hugh Wolff, *Mathematics*  
St. Paul, Minnesota

## Cum laude

- William Tennant Adams, *History*  
Duluth, Minnesota
- Edward Gerald Allen, II, *History*  
Newark, Delaware
- Mark Harold Allen, *Biology*  
Bronxville, New York
- Thomas Victor Parsonnet Alpren  
*Psychology*  
West Orange, New Jersey
- Miles Bradley Anderson, *Political Science*  
Sag Harbor, Long Island, New York
- Kazuo Asakai, *Political Science*  
Kanagawa-Ken, Japan
- Laurence Richard Avins, *Biology*  
Princeton, New Jersey

## DEGREES CONFERRED

- |   |  |
|---|--|
| Robert Obed Barberi, <i>Political Science</i><br><i>Hamden, Connecticut</i>         | John Hardy Fitchen, <i>Biology</i><br><i>Hamilton, New York</i>                    |
| Robert James Beattie, <i>History</i><br><i>York, Pennsylvania</i>                   | Robert Thomas Forrester, <i>Philosophy</i><br><i>Drexel Hill, Pennsylvania</i>     |
| Donald Ernest Bertrand<br><i>American Studies</i><br><i>St. Albans, New York</i>    | John Howard Freeman, <i>Physics</i><br><i>Worcester, Massachusetts</i>             |
| David Hodosh Black, <i>Independent Scholar</i><br><i>Springfield, Massachusetts</i> | Jeffrey Michael Gantz, <i>English</i><br><i>New Hope, Pennsylvania</i>             |
| Michael Alan Boxer, <i>Chemistry</i><br><i>Pittsfield, Massachusetts</i>            | James Simeon Goodwin, <i>Psychology</i><br><i>Washington, D.C.</i>                 |
| Peter Laurence Brent, <i>Spanish</i><br><i>Sanderstead, Surrey, England</i>         | Irvin Dean Gordon, <i>Economics</i><br><i>Marlboro, New Hampshire</i>              |
| Paul Axtell Bunn, Jr., <i>Biology</i><br><i>DeWitt, New York</i>                    | Peter Tebet Greenspan, <i>Religion</i><br><i>Elkins Park, Pennsylvania</i>         |
| Jay Hamilton Calvert, Jr.<br><i>American Studies</i><br><i>East Cleveland, Ohio</i> | Frank John Greve, <i>English</i><br><i>Staten Island, New York</i>                 |
| Sigurd William Christensen, <i>Biology</i><br><i>Forest Grove, Pennsylvania</i>     | Barry Stephen Grove, <i>English</i><br><i>Toronto, Ontario, Canada</i>             |
| Alden Samuel Clark, <i>American Studies</i><br><i>Plainfield, Vermont</i>           | Jack David Hailey, <i>English</i><br><i>Phoenix, Arizona</i>                       |
| Rodney Bancroft Clough, <i>Fine Arts</i><br><i>Rye, New York</i>                    | Samuel Young Harris, <i>Fine Arts</i><br><i>Myrtle Beach, South Carolina</i>       |
| Douglas Reese Cole<br><i>Independent Scholar</i><br><i>Holden, Massachusetts</i>    | Marc James Hersh, <i>History</i><br><i>New York, New York</i>                      |
| Jonathan Richard Cole, <i>Physics</i><br><i>Arlington, Massachusetts</i>            | Frederick David Hill<br><i>Independent Scholar</i><br><i>New York, New York</i>    |
| Jacques Cook, <i>Economics</i><br><i>Washington, D.C.</i>                           | Donald Arthur Johnson, <i>Economics</i><br><i>Rockland, Maine</i>                  |
| Charles Godvin Cunningham, Jr.<br><i>Geology</i><br><i>Norwalk, Connecticut</i>     | Edward Roger Jones, III, <i>Chemistry</i><br><i>Baton Rouge, Louisiana</i>         |
| Victor William Dahir, <i>Economics</i><br><i>Barrington, Illinois</i>               | Ray Carlton Jones, Jr., <i>Religion</i><br><i>Chicago, Illinois</i>                |
| David Dembe, <i>American Studies</i><br><i>Bayonne, New Jersey</i>                  | Joseph Charles Kambe, <i>Economics</i><br><i>Philadelphia, Pennsylvania</i>        |
| Peter Jackson Dodge, <i>English</i><br><i>Ann Arbor, Michigan</i>                   | Alan Harvey Kaufman, <i>American Studies</i><br><i>Youngstown, Ohio</i>            |
| Hamilton Doherty, Jr., <i>Political Science</i><br><i>Albion, New York</i>          | Christopher Lee Kaufman, <i>English</i><br><i>Winnetka, Illinois</i>               |
| Terence Holliday Ellen, <i>English</i><br><i>Towson, Maryland</i>                   | Shigenari Kawashima<br><i>Independent Scholar</i><br><i>Tokyo, Japan</i>           |
| Jeffrey Saxton Eveleth, <i>English</i><br><i>Longmeadow, Massachusetts</i>          | Robert Leon Keeney, Jr.<br><i>American Studies</i><br><i>Palo Alto, California</i> |
| James Patrick Finerty, <i>Biophysics</i><br><i>Grosse Pointe, Michigan</i>          | Ralph Joseph Kimble, Jr., <i>English</i><br><i>Linden, Michigan</i>                |
|   | Geoffrey Kurland, <i>Biology</i><br><i>Rochester, Minnesota</i>                    |

# AMHERST COLLEGE

- John Eric Laestadius, Jr., *Psychology*  
*Greenfield, Massachusetts*
- David Alan Lass, *Independent Scholar*  
*Cincinnati, Ohio*
- Richard Stone LeFrak, *Economics*  
*New York, New York*
- Ronald Kian Hong Liem, *Chemistry*  
*Ryswyk, The Netherlands*
- Stuart Frederic Liss, *Philosophy*  
*New Bedford, Massachusetts*
- Budd Edward MacKenzie, *Economics*  
*Washington, D.C.*
- John Steven McDougal, *Biology*  
*Grand Rapids, Michigan*
- Dennis Scott Meir, *Political Science*  
*Scarsdale, New York*
- Robert Joseph Miller, *American Studies*  
*Easton, Connecticut*
- David Merwin Mitchell, *Political Science*  
*Sarasota, Florida*
- Warren Roger Muir, *Chemistry*  
*Pelham, New York*
- Mather Humphrey Neill, Jr., *Biology*  
*Manchester, Connecticut*
- Ralph Francis Nelson, *Biophysics*  
*West Hartford, Connecticut*
- William Edward Newmann, *Psychology*  
*Highland Park, Illinois*
- Donald Beuter Nixon, *Geology*  
*Rhinebeck, New York*
- Philip James Notopoulos, *English*  
*West Hartford, Connecticut*
- Christopher William Nugent  
*American Studies*  
*Gwynedd Valley, Pennsylvania*
- Sadaichiro Okajima, *Political Science*  
*Kitaku, Nagoya, Japan*
- Thomas True Oliver, *Biology*  
*Amherst, Massachusetts*
- Thomas John Ostwald, *Physics*  
*Berkeley, California*
- Lester Scott Permesly, *Biology*  
*Hollywood, Florida*
- Charles Stockton Roehrig, *Economics*  
*West Newton, Massachusetts*
- Donald Edward Sackheim  
*American Studies*  
*Larchmont, New York*
- Anthony Paul Sager, *Independent Scholar*  
*New York, New York*
- Paul Richard Saronson, *Dramatic Arts*  
*Brooklyn, New York*
- Peter Conkling Schliemann, *Economics*  
*Annapolis, Maryland*
- Douglas Loring Schneider, *Biology*  
*Arlington, Massachusetts*
- Martin Snyder Schwartz, *Economics*  
*New Haven, Connecticut*
- Alan Franklin Segal, *English*  
*Worcester, Massachusetts*
- James Arthur Senefelder, *History*  
*Buffalo, New York*
- Joel Shapiro, *American Studies*  
*Medford, Massachusetts*
- William Steven Shaw, *Biology*  
*Chattanooga, Tennessee*
- Gerry Gale Simons, *Political Science*  
*Montague City, Massachusetts*
- William Jeffrey Simpson, *English*  
*Pittsburgh, Pennsylvania*
- Richard William Skillman, *Philosophy*  
*South Orange, New Jersey*
- Evan Dexter Slater, *Biology*  
*Riverside, Connecticut*
- Thomas Julius Smith, *Biology*  
*Scarsdale, New York*
- Richard Raymond Spies, *Mathematics*  
*Rochester, New York*
- Jeffrey Lewis Staniels, *Political Science*  
*Nassau, New York*
- Jonathan Peter Strang, *Greek-Philosophy*  
*Camden, Maine*
- John Shearing Stuckless, *Geology*  
*Troy, Pennsylvania*
- Paul Hamilton Sweeney  
*American Studies*  
*New York, New York*
- John Griffith Symons, Jr., *Economics*  
*Sunderland, Massachusetts*
- Carson Gitt Taylor, *Political Science*  
*Providence, Rhode Island*
- Philip Covington Thompson, *History*  
*Metairie, Louisiana*
- Albert James vonFrank, *English*  
*Convent Station, New Jersey*

## DEGREES CONFERRED

Thomas Kevin Wade, *Fine Arts*  
*Los Altos, California*

John Francis White, *Chemistry*  
*South Lincoln, Massachusetts*

Robert I Whitelaw, *Political Science*  
*Shaker Heights, Ohio*

Daniel Chaiim Wilkins, *Physics*  
*New York, New York*

Robert John Winter, *Biology*  
*St. Charles, Illinois*

Robert McKim Woodruff, *Philosophy*  
*West Hartford, Connecticut*

Edward Lawrence Yourtee, *Biology*  
*Clinton, New York*

### Rite

Gary Robert Ahlskog  
*Denver, Colorado*

Philip Sloane Angell  
*Grosse Pointe, Michigan*

Stelios Arghyros  
*Athens, Greece*

Albert Lawrence Banks, Jr.  
*Mercer Island, Washington*

Philip Davis Beaumont  
*South Orleans, Massachusetts*

Joseph Beech, III  
*Cincinnati, Ohio*

Jeffrey Lawrence Belden  
*Orange, New Jersey*

Richard Preston Berry, Jr.  
*Goffstown, New Hampshire*

John Christopher Billesdon  
*Lathrup Village, Michigan*

Colin Campbell Blair  
*New York, New York*

Robert Blakey, Jr.  
*Phoenix, Arizona*

John Joseph Boyd, Jr.  
*Longport, New Jersey*

Edward Francis Bradley, Jr.  
*Waterbury, Connecticut*

René Daniel Brooks  
*Milltown, New Jersey*

Trevor George Bryan  
*New Orleans, Louisiana*

William Henry Clamurro  
*Nutley, New Jersey*

Richard Preston Clarke  
*Phoenix, Arizona*

Steven Ayres Clarke  
*Minneapolis, Minnesota*

Henry Folger Cleaveland, Jr.  
*Stony Brook, New York*

David Alexander Collins  
*Hastings-on-Hudson, New York*

John Earle Cross  
*Bethesda, Maryland*

Waldo Beaman Cummings, Jr.  
*Atikokan, Ontario, Canada*

John Mason Cunningham  
*Paxton, Massachusetts*

George Huntington Damon, Jr.  
*Meredith, New Hampshire*

Alfred John Damus  
*Pittsburgh, Pennsylvania*

John Marshall Dasher  
*Columbus, Ohio*

Richard Michael Davis  
*Brooklyn, New York*

Paul Phillips Dawson  
*New York, New York*

Steven Clarke DeLapp  
*New Canaan, Connecticut*

Joseph Dmuchovsky, Jr.  
*Brimfield, Massachusetts*

Wayne Winters Donner  
*South Braintree, Massachusetts*

Howard Dalton Dupuy  
*Prescott, Arizona*

Peter Grimm Dustin  
*Buffalo, New York*

Edward Lewis Eisenberg  
*New York, New York*

Thomas William Farley  
*Grosse Ile, Michigan*

Robert Sharp Franklin  
*Dalton, Massachusetts*

Alan Edward Friedman  
*Denver, Colorado*

Philip Michael Friedmann  
*Highland Park, Illinois*

Stephen Lewis Gilmore  
*Manlius, New York*

Gary Richard Gold  
*Hicksville, New York*



# AMHERST COLLEGE

James Pierpont Bartlett Goodell, Jr.  
*Jamestown, New York*

Eric Lindsey Goullaud  
*Royal Oak, Michigan*

Bruce Charles Grean  
*Erie, Pennsylvania*

David Graham Greenlie, Jr.  
*Wiscasset, Maine*

Steven Paul Hannes  
*Philadelphia, Pennsylvania*

Carlo Giuseppe Maugini Hansen  
*Rome, Italy*

Bartlett Harvey, Jr.  
*McLean, Virginia*

Alan Walter Havighurst  
*Shaker Heights, Ohio*

Lewis Blyth Hayes  
*Washington, D.C.*

Robert Benjamin Hemley  
*Woodmere, New York*

Rembert Bryce Herbert  
*Florence, South Carolina*

Richard Headley Hill  
*Rochester, Minnesota*

Ben Tsun-Lin Ho  
*Chevy Chase, Maryland*

Ronald Norris Hoge  
*Swarthmore, Pennsylvania*

Scott John Hunter  
*New Kensington, Pennsylvania*

Daniel Booth Hunting  
*Cedar Rapids, Iowa*

Kenneth John Ingram  
*Cranford, New Jersey*

William Frederick Jaep, Jr.  
*Wilmington, Delaware*

Stephen Gould Jamieson  
*Rochester, New York*

Philip Samuel Jessup, II  
*Washington, D.C.*

Peter Hart Johnson  
*Montpelier, Vermont*

Russell Gordon Jones  
*Fitchburg, Massachusetts*

Jidlaph Gitau Kamoche  
*Kenya, East Africa*

Charles Yoichi Kawada  
*Great Neck, New York*

Lee Lanam Keener, Jr.  
*Waterloo, Ontario, Canada*

Michael Lewis Keiser  
*East Aurora, New York*

J. Joseph Kelly, III  
*West Boylston, Massachusetts*

Richard Allen Kelly  
*North Bergen, New Jersey*

Farid Majid Khadduri  
*Washington, D.C.*

Robert Riopel Kimball  
*Shrewsbury, Massachusetts*

Michael Stuart Kramer  
*Great Neck, New York*

Robert David Krause  
*Providence, Rhode Island*

Jonathan Warren Lehrman  
*Hewlett Harbor, New York*

Warren Paul Long  
*Evergreen Park, Illinois*

Louis Edward Lucaire  
*Ho-Ho-Kus, New Jersey*

Frederick Boyce Lundahl  
*Minneapolis, Minnesota*

Richard Wakeman Lyon  
*Sloatsburg, New York*

Edward Carlisle Madden  
*Kearny, New Jersey*

Masri Maris  
*Djakarta, Indonesia*

John Leland McBride  
*Devon, Pennsylvania*

John James McCarthy, Jr.  
*Dover, New Jersey*

John Edward McCloskey, III  
*Springdale, Pennsylvania*

Rickey Hutson McClure  
*Coral Gables, Florida*

John William McMichaels, Jr.  
*Westfield, New Jersey*

Kimball Ray McMullin  
*Weston, Massachusetts*

Jamison Meredith, Jr.  
*Fairmont, West Virginia*

Richard Gregory Minutillo  
*Salem, Massachusetts*

Anthony Joseph Nania  
*Canaan, Connecticut*

## DEGREES CONFERRED

Jay Guy Nassberg, <i>Independent Scholar</i> Rockville Centre, New York	Ralph Stephen Soule LaGrange Park, Illinois
George Robert Neisloss West Hartford, Connecticut	Charles Milson Stillman Brookline, Massachusetts
Andrew Leslie Nemethy Dover, Massachusetts	Paul Jergens Stumpf Nashville, Tennessee
David Mark Orenstein North Plainfield, New Jersey	Richard David Symansky Troy, New York
Alex Frank Orkow Omaha, Nebraska	Warren Jay Taub West Orange, New Jersey
Jonathan Abernathy Pace Dallas, Texas	Charles Roy Taylor Moorestown, New Jersey
Jonathan Charles Peirce New York, New York	Robert James Tracy Alexandria, Virginia
Terry Lee Perlet Summit, New Jersey	George Ogden Trenchard, Jr. Akron, Ohio
Perry Lewis Pickert Phoenix, Arizona	Jeffery James Tucker Houston, Texas
Richard Howe Pierpont West Boylston, Massachusetts	Richard Dale Tyler, Jr. Niles, Michigan
John Wesley Pittman, Jr. Atlanta, Georgia	Miguel Villafane Mexico City, Mexico
Patrick Edmund Power Torrington, Connecticut	Douglas Guilbert Wales Cohasset, Massachusetts
John Gregory Prentiss Independent Scholar Hudson, Ohio	William Kai-Sheng Wang Independent Scholar Chevy Chase, Maryland
David Stanley Purvis Darien, Connecticut	Harold Rathbun Ward, III Carpinteria, California
John Anthony Ratichek Summit, New Jersey	Edward Parry Warner Willow Grove, Pennsylvania
Harry Fielding Reid Mattapoisett, Massachusetts	Philip Solomon Weinstein Swampscott, Massachusetts
Joseph Conrad Rice Louisia, Kentucky	William Chamberlain Wheeler, Jr. Upper Montclair, New Jersey
Wayne Earl Rifer Portland, Oregon	Jay Vincent White Washington, D.C.
Harvey Jay Sarles Barrington, Rhode Island	Jeffrey David Willius St. Paul, Minnesota
Steven Scott Searl Pittsford, New York	Michael Sinclair Wilson Eugene, Oregon
Douglas Brent Shepard Columbus, Ohio	John Lacy Wire Millbrook, New York
David Williamson Smith Bronxville, New York	Charles Clifton Woodard Hastings-on-Hudson, New York
Stephen Ensign Smith Amherst, Massachusetts	

# Honorary Degrees Conferred

SEPTEMBER 13, 1966

## MASTER OF ARTS

Hugh George Jeffrey Aitken  
John Burt Halsted  
William Michael Hexter  
James Elmore Ostendarp  
Donald Stevenson Pitkin

JUNE 2, 1967

## DOCTOR OF LITERATURE

Richard Purdy Wilbur, 1942

## DOCTOR OF HUMANE LETTERS

Albert Herman Hastorf, III, 1942  
Henry Stuart Hughes, 1937  
Andrew Wyeth

## DOCTOR OF SCIENCE

Kurt Gödel

## DOCTOR OF LAWS

Kingman Brewster, Jr.  
Leonard Carpenter Meeker, 1937  
Robert Clifton Weaver

## MEDAL FOR EMINENT SERVICE

James Burroughs Lyon, 1952

# V

## ENROLLMENT





# Enrollment

## FALL SEMESTER 1967-1968

### Graduate Student

Boyd, John Joseph, Jr.  
*Longport, New Jersey*

### Special Students

Droog, Peter Michael  
*Wales, England*  
Huhle, Rainer Albert Anton  
*Nurnberg, Germany*

### Seniors Class of 1968

Abrams, Lawrence Werner  
*University City, Missouri*  
Achenbaum, Wilbert Andrew  
*Devon, Pennsylvania*  
Ahrens, Philip Frederick William  
*Chappaqua, New York*  
Albert, Allan Praigrod  
*Miami Beach, Florida*  
Alberts, Jay Laurence  
*Cincinnati, Ohio*  
Allen, Russell Lawton  
*Darien, Connecticut*  
Amsterdam, John Richard  
*Bala Cynwyd, Pennsylvania*  
Anderson, Dennis Paul  
*East Haven, Connecticut*  
Andrews, Elliott Seabury  
*Royal Oak, Michigan*  
Arter, Charles Kingsley, III  
*Shaker Heights, Ohio*  
Aung-Thwin, John David  
*Rangoon, Burma*  
Baker, Albert Pasquale  
*Buffalo, New York*  
Ball, Richard  
*Westbury, New York*  
Barker, Stephen Frederic  
*Dallas, Texas*  
Bashian, Ronald Stephen  
*Manhasset, New York*

Bateman, Scott French  
*Highland Park, New Jersey*  
Beal, Christopher Nigel Houston  
*Ossining, New York*  
Boger, Robert Shelton  
*Wayne, Pennsylvania*  
Bologna, John Richard  
*Hartford, Connecticut*  
Bonner, Stephen Barnes  
*Minneapolis, Minnesota*  
Booth, Forrest  
*East Walpole, Massachusetts*  
Booth, Richard Spaulding  
*Plattsburgh, New York*  
Borak, Jonathan Benjamin  
*Great Neck, New York*  
Boyer, Bruce Hatton  
*Evanston, Illinois*  
Brent, James Foster  
*Andover, Massachusetts*  
Bresler, Michael Jay  
*Silver Spring, Maryland*  
Brewer, Theodore Skerritt  
*Syracuse, New York*  
Brintnall, Michael Arthur  
*Akron, Ohio*  
Britt, Thomas Madison  
*Raleigh, North Carolina*  
Broad, John Turnbull  
*Fayetteville, New York*  
Brock, Robert Melvin, Jr.  
*Ridgewood, New Jersey*  
Brooks, William Russell  
*Burlington, Vermont*  
Brown, Christopher Newell  
*Princeton, New Jersey*  
Brown, Peter Northrop  
*Wilmington, Delaware*  
Bruzeliuss, Nils Johan  
*West Redding, Connecticut*  
Buchheim, Ronald Jay  
*East Rockaway, New York*

# AMHERST COLLEGE

- Budlong, Theodore Warren  
*Bedford, New York*
- Burt, William Edward  
*Millburn, New Jersey*
- Callahan, Edward Nolan  
*Baltimore, Maryland*
- Chadwick, Timothy John MacKenzie  
*London, England*
- Chaleff, Roy Scott  
*New York, New York*
- Chesler, Lewis Benson  
*University Heights, Ohio*
- Chinoy, Marc Paul  
*Fort Lauderdale, Florida*
- Chiu, Sin-Hang  
*Hong Kong*
- Chu, Ernest D.  
*Chappaqua, New York*
- Cliff, Thomas Vincent  
*Grosse Pointe, Michigan*
- Cobbs, Nicholas Hamner  
*Chappaqua, New York*
- Cochran, Daniel Chester  
*Chicago, Illinois*
- Collings, Peter John  
*Ossining, New York*
- Conrad, Daniel Schmalz  
*Baldwin, Maryland*
- Cooper, Donald Miles  
*Allentown, Pennsylvania*
- Cox, Louis Edward, Jr.  
*Pittsburgh, Pennsylvania*
- Cushing, Josiah Stearns, II  
*Middleboro, Massachusetts*
- D'Agostino, Frederick Bruce  
*Morrisville, Pennsylvania*
- Dallair, Richard Armand  
*Pittsfield, Massachusetts*
- Damashek, Marc  
*New York, New York*
- Davenport, David Sterling  
*Winnetka, Illinois*
- Davidson, John Woodyard  
*Glendale, Missouri*
- Daw, Paul Curtis  
*Worcester, Massachusetts*
- Dein, Bruce Charlesworth, Jr.  
*Pelham, New York*
- Delbaum, Charles Marshall  
*Woodmere, New York*
- DeNero, Henry Thomas  
*Pleasantville, New York*
- Denig, Robert Scott  
*Moline, Illinois*
- deRiel, Jon Kimball  
*St. Louis, Missouri*
- Deschamps, Jean Francois  
*Paris XVIIE, France*
- Domb, William Cutler  
*Morristown, New Jersey*
- Donnelly, Michael Patrick  
*North Arlington, New Jersey*
- Dorland, Peter Grant  
*Nashville, Tennessee*
- Douglass, John Joseph  
*Wakefield, Massachusetts*
- DuBois, Peter Arnott  
*Oakland, California*
- Duss, Robert Vignier  
*Jacksonville, Florida*
- Eddy, Robert Devereux, Jr.  
*Winchester, Massachusetts*
- Eldridge, Thomas Haws  
*Palatine, Illinois*
- Evans, David Rountree  
*Los Angeles, California*
- Fabrizio, Michael Anthony, Jr.  
*East Hampton, New York*
- Fischer, Joal  
*Highland Park, Illinois*
- Fisher, Edwin Bailey, Jr.  
*Hillsdale, New Jersey*
- Fleming, George Williamson  
*Summit, New Jersey*
- Fletcher, William Miles, III  
*Brookline, Massachusetts*
- Foster, Luther Hilton, III  
*Tuskegee Institute, Alabama*
- Frank, Kenneth David  
*Washington, D.C.*
- Franks, Brian Sterling  
*Amherst, Massachusetts*
- Frantzreb, Richard Brent  
*Scarsdale, New York*
- Frey, James Lewis  
*St. Louis, Missouri*

Funnell, David Martin  
*Joppa, Maryland*

Galbreath, David Evans  
*Fairless Hills, Pennsylvania*

Galloway, Carl Anthony  
*Jamaica, New York*

Garrett, Crombie James Dickinson  
*Annapolis, Maryland*

Gearhart, Samuel Edgington, III  
*Weston, Connecticut*

Geehr, Robert Benson  
*Syracuse, New York*

Giese, Edward Blaney  
*Wellesley, Massachusetts*

Glass, David Leslie  
*Flushing, New York*

Glazer, John Prescott  
*Briarcliff Manor, New York*

Godfrey, Raymond Michael  
*Melbourne, Florida*

Goff, Jeffrey William  
*Longmeadow, Massachusetts*

Goldman, Andrew Dennen  
*Lawrence, New York*

Goldman, James Eliot  
*Bethesda, Maryland*

Goldman, Roger Lawrence  
*Great Neck, New York*

Goleman, Daniel Jay  
*Stockton, California*

Goodrich, Paul Blair  
*A.P.O. San Francisco, California*

Grasso, Rafael Sergio  
*Montevideo, Uruguay*

Grasso, Raymond Andrew, Jr.  
*East Hartford, Connecticut*

Greenlee, David Scott  
*Tuskegee Institute, Alabama*

Gresko, Michael Andrew  
*New York, New York*

Guiney, Bartholomew John  
*Canton, Massachusetts*

Guthrie, Michael Beck  
*Wayne, Pennsylvania*

Haldeman, Robert George, Jr.  
*Rowayton, Connecticut*

Hall, John Adams  
*Amherst, Massachusetts*

Handelsman, Harold Samuel  
*Brooklyn, New York*

Hardaway, Robert Morris, IV  
*Washington, D.C.*

Harper, Wyatt Eugene, III  
*Alexandria, Virginia*

Harrison, Robert Dale  
*Brooklyn, New York*

Harvard, Peter Marvin  
*Hamden, Connecticut*

Hasse, Colin Farrish  
*Berkeley, California*

Hastie, William Henry, Jr.  
*Philadelphia, Pennsylvania*

Hathaway, Clark Prouty  
*Barrington, Rhode Island*

Hawthorne, Richard Grant  
*Edina, Minnesota*

Hayden, Michael Dotterer  
*Amherst, Massachusetts*

Heaney, William Hardy  
*Oshkosh, Wisconsin*

Helbraun, Mark Edwin  
*Peekskill, New York*

Helfand, Dennis Eugene  
*New York, New York*

Herr, Daniel Clements  
*Bird-In-Hand, Pennsylvania*

Hilliard, Robert Samuel  
*North Tarrytown, New York*

Ho, Alan Reginald John  
*Hong Kong*

Ho, Robert Pak Lun  
*North Point, Hong Kong*

Hodge, Charles Stanley Peter  
*Granville, Massachusetts*

Holekamp, Louis Robert, Jr.  
*Kirkwood, Missouri*

Holloway, Robert Lee  
*Snyder, New York*

Horwitt, Joshua Blanchard  
*Hillsdale, New York*

Howland, John Hathaway  
*Warwick, Rhode Island*

Hung, Sammy Tung Chuen  
*Kowloon, Hong Kong*

Hunter, Thomas Merrell  
*Claremont, California*

# AMHERST COLLEGE

- Igel, George Daniel  
*New York, New York*
- Inglis, Andrew  
*Shaker Heights, Ohio*
- Isserman, Andrew Mark  
*APO, New York*
- Jacobs, Robert Allan, Jr.  
*New York, New York*
- Johnson, Adrian Fitzroy  
*New York, New York*
- Jones, Thomas Evan Bruere  
*Milwaukie, Oregon*
- Kahler, George Alpert  
*Woods Hole, Massachusetts*
- Kahn, Sidney Lawrence, III  
*Memphis, Tennessee*
- Karol, Zachary Roger  
*New York, New York*
- Kassamali, Jaffer  
*Dar-es-Salaam, Tanzania*
- Kaye, Stephen Lowell  
*St. Paul, Minnesota*
- Kelly, William Wright, II  
*McLean, Virginia*
- Kennedy, Joseph Bernard, III  
*Rockville, Maryland*
- Kling, Thomas Frederick, Jr.  
*Orinda, California*
- Koch, Steven Ross  
*Baltimore, Maryland*
- Kurth, William Deming  
*San Clemente, California*
- Lander, Lowell Edward  
*Dayton, Ohio*
- Layne, Lawrence Dennis  
*Louisville, Kentucky*
- LeClaire, Arthur Joseph, III  
*Manchester, Connecticut*
- Lehman, John E.  
*New York, New York*
- Lengieza, Paul Francis  
*Chicopee, Massachusetts*
- Lewiecki, Edward Michael, Jr.  
*Hingham, Massachusetts*
- Lewis, Richard Plimpton, III  
*Dedham, Massachusetts*
- Ligenza, Edward Peter, Jr.  
*Westfield, Massachusetts*
- Lipshutz, Gilbert Robert  
*Philadelphia, Pennsylvania*
- Lobdell, Peter Tillotsen  
*Red Bank, New Jersey*
- Loftus, Thomas Anthony, III  
*McLean, Virginia*
- Lorenz, Paul Frank  
*Erieville, New York*
- Loring, Stephen Hathaway  
*Portland, Maine*
- Lundberg, Alan Reninger  
*Amherst, Massachusetts*
- Lux, Glenn Alan  
*Syosset, New York*
- Lynch, James Frederick  
*Hanover, Massachusetts*
- Lynn, Leo Edward  
*Folsom, Pennsylvania*
- March, Charles Wells  
*Tulsa, Oklahoma*
- Marinell, James Peter  
*Coldwater, Michigan*
- Mayer, Eric Stephen  
*Teaneck, New Jersey*
- McDonald, Dana Elderkin  
*Akron, Ohio*
- McDougall, Walter Allan  
*Wilmette, Illinois*
- McElroy, David Alan  
*Dover, New Jersey*
- McGavin, Thomas Alfred, Jr.  
*Arlington, Virginia*
- McGrath, John Francis, III  
*Pleasantville, New York*
- McKeag, Ian Tannehill  
*Swarthmore, Pennsylvania*
- Mead, Jeremiah Putnam  
*Waban, Massachusetts*
- Mersey, James Harris  
*Lynbrook, New York*
- Metcalfe, Philip Earle  
*Portland, Oregon*
- Michaels, David Seth  
*Westfield, New Jersey*
- Miller, Jeffrey Bernard  
*Baltimore, Maryland*
- Miller, Joseph Norbert  
*Tulsa, Oklahoma*

- Miller, Matthew Alan  
*Delmar, New York*
- Miller, Richard McCord, Jr.  
*La Canada, California*
- Mirick, John Odlin  
*Worcester, Massachusetts*
- Mount, John Wadsworth  
*Warren, New Jersey*
- Mulligan, Michael Dennis  
*St. Louis, Missouri*
- Nathanson, Tenney J.  
*New York, New York*
- Neugass, Richard Leo  
*Washington, D.C.*
- Neyland, Randolph Archer  
*Houston, Texas*
- Nicolaides, Cleanthis Anthony  
*Athens, Greece*
- Nielsen, Christen John  
*Mahwah, New Jersey*
- Nogami, Yoshiji  
*Tokyo, Japan*
- Normile, Francis James  
*Setauket, New York*
- Nurick, Robert Conrad  
*Chevy Chase, Maryland*
- Nutting, Peter West  
*Abington, Pennsylvania*
- Nye, David Edwin  
*Bloomfield, Connecticut*
- Ogden, Thomas Henry  
*Harrison, New York*
- Osser, David Neal  
*Harrison, New York*
- Outman, James Lee  
*Denver, Colorado*
- Owen, Frank Thomson Henshaw  
*Phoenix, Arizona*
- Parsons, Marcus Lindley, III  
*Arlington, Virginia*
- Pastore, John Wilson  
*South Kent, Connecticut*
- Perhonis, John Paul  
*Amherst, Massachusetts*
- Peterson, Mark Austin  
*Ames, Iowa*
- Petrino, Michael Anthony, Jr.  
*Glen Rock, New Jersey*
- Pickens, Claude Andrew  
*Chicago, Illinois*
- Pietrafitta, Anthony James, Jr.  
*Wakefield, Massachusetts*
- Pitman, Douglas Jay  
*Port Washington, New York*
- Posner, Edward Martin  
*Philadelphia, Pennsylvania*
- Potter, John Philip  
*Old Greenwich, Connecticut*
- Powar, William Louis  
*Shaker Heights, Ohio*
- Prude, Jonathan DeMille  
*New York, New York*
- Radley, Gordon Louis  
*Chicago, Illinois*
- Ransom, Lawrence Bristol  
*Bronxville, New York*
- Repplier, Banning, Jr.  
*New Haven, Connecticut*
- Rey, Jean  
*Paris, France*
- Rhodes, John Frederick, Jr.  
*Lehigh, Pennsylvania*
- Rhone, Henry Gene  
*Richmond, Virginia*
- Rice, Thomas Bothwell  
*Amherst, Massachusetts*
- Riess, Jonathan Benjamin  
*Brooklyn, New York*
- Riskind, Robert David  
*Chicago, Illinois*
- Roberts, Allen Fraleigh  
*West Hartford, Connecticut*
- Robinson, William Clarence, III  
*Washington, D.C.*
- Rock, Andrew Vincent  
*Silver Spring, Maryland*
- Roehrig, Matthew Grahame  
*Andover, Massachusetts*
- Rose, William Jay, II  
*Swampscott, Massachusetts*
- Rosenfeld, Mark Kenneth  
*Jackson, Michigan*
- Roush, George Colton  
*Peninsula, Ohio*
- Ryan, Robert Winslow  
*Seneca Falls, New York*



# AMHERST COLLEGE

- |  |   |
|--|---|
| Ryan, Thomas Wadsworth<br><i>Manlius, New York</i>             | Springer, Felix Joseph<br><i>Hartford, Connecticut</i>        |
| Rytuba, James John<br><i>Hadley, Massachusetts</i>             | Stewart, David Ewing, Jr.<br><i>Columbia, South Carolina</i>  |
| Saks, Nelson Simon<br><i>Springfield, Massachusetts</i>        | Stifler, John Reed<br><i>Nashville, Tennessee</i>             |
| Salem, Richard Peter<br><i>North Brookfield, Massachusetts</i> | Stoeckle, David Bruce<br><i>Darien, Connecticut</i>           |
| Savage, Edward Turney<br><i>Westfield, New Jersey</i>          | Stolper, Donald Newton<br><i>West Hartford, Connecticut</i>   |
| Savage, Theodore James<br><i>North Branch, New Jersey</i>      | Stratton, Robert Walter<br><i>Malverne, New York</i>          |
| Schell, Joseph Marshall<br><i>Purchase, New York</i>           | Strong, Robert Sinclair<br><i>West Islip, New York</i>        |
| Schlessinger, Peter Martin<br><i>Woodbury, New York</i>        | Studley, Michael Hunt<br><i>Hingham, Massachusetts</i>        |
| Schmidt, Joel Otis<br><i>Northampton, Massachusetts</i>        | Sullivan, Richard Joseph<br><i>Stony Point, New York</i>      |
| Scribner, Donald John<br><i>Mountain Lakes, New Jersey</i>     | Sumida, Stephen Hiro<br><i>Aiea, Hawaii</i>                   |
| Sharp, Michael Conant<br><i>East Lansing, Michigan</i>         | Sunstein, Paul William<br><i>Wyncote, Pennsylvania</i>        |
| Shechtman, Ronald Howard<br><i>West Hartford, Connecticut</i>  | Taggart, Robert Alexander, Jr.<br><i>Birmingham, Michigan</i> |
| Sherman, Robert Spink<br><i>New York, New York</i>             | Takemori, Michael Teruki<br><i>Honolulu, Hawaii</i>           |
| Simonson, Walter Miller<br><i>College Park, Maryland</i>       | Tapia, Jorge Luis, Jr.<br><i>Bronx, New York</i>              |
| Smead, William Lewis<br><i>Nashville, Tennessee</i>            | Taylor, Alfred Brandon, III<br><i>Moore, South Carolina</i>   |
| Smith, Michael Vernon<br><i>Latham, New York</i>               | Taylor, James Deming<br><i>Rockville, Connecticut</i>         |
| Smith, Richard Thomas<br><i>St. Louis, Missouri</i>            | Taylor, Thomas Howard<br><i>Plantville, Connecticut</i>       |
| Smith, Robert Edwin<br><i>Linden, New Jersey</i>               | Taylor, Thomas Robert<br><i>Ashfield, Massachusetts</i>       |
| Smith, Roderick Charles<br><i>Missoula, Montana</i>            | Teague, John Frederick<br><i>Newport, New Hampshire</i>       |
| Smyth, Kermit Campbell<br><i>Westwood, Massachusetts</i>       | Temchin, Jacob Lazarus<br><i>Florida, New York</i>            |
| Solins, Jonathan David<br><i>Tenafly, New Jersey</i>           | Thorne, John Holden<br><i>Annadale, Virginia</i>              |
| Solomon, Lewis Roberts<br><i>Fair Lawn, New Jersey</i>         | Tibbetts, Clark Joseph Bullock<br><i>Reston, Virginia</i>     |
| Spina, Francis Xavier<br><i>Pittsfield, Massachusetts</i>      | Tilles, Roger Bruce<br><i>Great Neck, New York</i>            |
| Springer, David Richard<br><i>Baltimore, Maryland</i>          | Townsend, David Bruce<br><i>Nutley, New Jersey</i>            |

- Townsend, Robert William  
*Fitchburg, Massachusetts*
- Tracy, William Wellman  
*Alexandria, Virginia*
- Wachtell, Kenneth Mason  
*Mamaroneck, New York*
- Wade, Harold  
*Springfield Gardens, New York*
- Walker, Allen Rolf  
*New Haven, Connecticut*
- Wallace, James Davis  
*Phoenix, Arizona*
- Warner, Daniel Harry  
*Bronx, New York*
- Warrington, Robert Spencer  
*Bronxville, New York*
- Wasserstein, Alan George  
*West Hempstead, New York*
- Weaver, David Walter  
*Larchmont, New York*
- Wehner, Burkhard Elimar  
*Waldersee, West Germany*
- Weinstein, David Max  
*Seattle, Washington*
- Weiss, Robert Lowell, Jr.  
*Wooster, Ohio*
- Widness, John Andrew  
*Lynnfield, Massachusetts*
- Willcox, Alanson Walter  
*Washington, D.C.*
- Willis, Charles Timothy  
*Framingham, Massachusetts*
- Woodworth, Robert Ames  
*Farmington, Connecticut*
- Wylie, Peter Bradford  
*Woodbridge, Connecticut*
- Yamaguchi, Masatoshi  
*Tokyo, Japan*
- Young, Malcolm Caldwell  
*Portland, Oregon*
- Young, Richard Hallam  
*Glens Falls, New York*
- Zipke, Allen Paul  
*Plantsville, Connecticut*
- Juniors Class of 1969**
- Abe, Nobuyasu  
*Saitama, Japan*
- Abramson, Jeffrey Bruce  
*Cheltenham, Pennsylvania*
- Aftergut, Dennis  
*St. Louis, Missouri*
- Ahearn, Michael Alan  
*Milton, Massachusetts*
- Alexander, James Kermott, Jr.  
*Houston, Texas*
- Allen, Franklin Gordon, III  
*Baltimore, Maryland*
- Alstad, Donald Norman  
*Wayland, Massachusetts*
- Altschul, David Edwin  
*Yonkers, New York*
- Aronie, Seth Isaac  
*Concord, Massachusetts*
- Aronson, Richard Allan  
*New York, New York*
- Ball, William Eldon, Jr.  
*St. Louis, Missouri*
- Bar, Michael Claude  
*Noisy-le-roi, France*
- Baron, Frederick David  
*Olivette, Missouri*
- Barrett, Timothy James  
*Holyoke, Massachusetts*
- Barrett, William Felton, III  
*Great Barrington, Massachusetts*
- Bartlett, Joel Emerson  
*Berkeley, California*
- Bazenas, Waldemar  
*Naugatuck, Connecticut*
- Bean, John Michael  
*Minneapolis, Minnesota*
- Beebe, Marcus Gilbert, Jr.  
*Boston, Massachusetts*
- Begg, Robert Burns, Jr.  
*Fort Devens, Massachusetts*
- Berglund, Robert Edward  
*Amherst, Massachusetts*
- Berlin, Richard Lawrence  
*West Orange, New Jersey*
- Blum, Alan Mayer  
*Cedarhurst, New York*
- Boicourt, James Evan  
*Amherst, Massachusetts*
- Bollinger, Evan Adair, Jr.  
*Rochester, New York*

# AMHERST COLLEGE

- Boswell, Thomas Murray  
*Washington, D.C.*
- Boyle, Brian Edward  
*Fort Eustis, Virginia*
- Braden, Norman Briar  
*Waterdown, Ontario, Canada*
- Bramble, Guy Alwyn  
*Southfield, Michigan*
- Breed, Charles Everett  
*Stanford, California*
- Brightman, Alan Jay  
*Hull, Massachusetts*
- Brown, Robert Horatio, Jr.  
*Chevy Chase, Maryland*
- Carroll, Richard Edwin  
*Merrick, New York*
- Casey, Coleman Hampton  
*Towson, Maryland*
- Cashmore, Terry Frank  
*Penfield, New York*
- Castle, Charles Anthony  
*Newport, Rhode Island*
- Clapp, David Arden  
*Syracuse, New York*
- Clark, Thomas Welcome  
*Brookline, Massachusetts*
- Clarke, Edward Morton, Jr.  
*Newton Upper Falls, Massachusetts*
- Cocroft, James Ralph  
*Glenview, Illinois*
- Cohn, Steven Mark  
*Roslyn Heights, New York*
- Colburn, Donald Adams  
*Wellesley Hills, Massachusetts*
- Cole, Francis Sessions, III  
*Providence, Rhode Island*
- Collins, Stephen Weaver  
*Hastings-on-Hudson, New York*
- Comenzo, Raymond Luke  
*Lutherville, Maryland*
- Congdon, James Herbert  
*Cranston, Rhode Island*
- Conn, Howard  
*Hampton, Virginia*
- Conover, Kirk Howard  
*Quaker Hill, Connecticut*
- Corcoran, David  
*Upper Nyack, New York*
- Corey, Edward Lee, Jr.  
*New York, New York*
- Cox, Henry Douglas  
*Terre Haute, Indiana*
- Cranch, Laurence Edward  
*Bryn Athyn, Pennsylvania*
- Cuda, Anthony Charles  
*New Hartford, New York*
- Daloz, Charles Roland  
*Peterborough, New Hampshire*
- Davidovac, Bogoljub Paule  
*Elizabeth, New Jersey*
- Davidowicz, Robert Stanley  
*Gardner, Massachusetts*
- Davison, Ellis Haven  
*Grindstone, Pennsylvania*
- Dean, Stewart  
*Louisville, Kentucky*
- DeLaurentis, Michael  
*Havertown, Pennsylvania*
- Dick, James Vernon  
*Wellesley Hills, Massachusetts*
- Dickinson, Mark Craine  
*Lunenburg, Massachusetts*
- Dilg, Lawrence Edwin, Jr.  
*Hewlett, New York*
- Dunkerley, Craig Gordon  
*Edina, Minnesota*
- Dwyer, Robert Jeffrey  
*Elizabeth, New Jersey*
- Ebert, Charles J  
*New York, New York*
- Edelman, Richard Scott  
*Great Neck, New York*
- Edie, David Boyd  
*Minneapolis, Minnesota*
- Elmendorf, Calvin Lindsay  
*Sarasota, Florida*
- English, James Russell, III  
*Shamokin, Pennsylvania*
- Esposito, Paul Joseph  
*Wellesley Hills, Massachusetts*
- Eustis, Andrew Claypoole  
*Cincinnati, Ohio*
- Evans, Peter Marlin  
*Santa Barbara, California*
- Finn, Paul David  
*Malden, Massachusetts*

Fishaut, Jack Mark  
*Vancouver, British Columbia,  
 Canada*

Fisher, Jeffrey Dorrington  
*Creve Coeur, Missouri*

Flaccus, Peter Kimball  
*Missoula, Montana*

Fleming, Standish Mitchell  
*South Laguna, California*

Forester, Gary Paul  
*Oradell, New Jersey*

Fort, David Bayard  
*Plainfield, New Jersey*

Foster, William James, IV  
*Pleasantville, New York*

Fowler, Theodore Vietor, IV  
*New York, New York*

Foye, William Lawrence, Jr.  
*New London, Connecticut*

Francis, Richard McMaster  
*Charleston, West Virginia*

Friedman, Dennis Gordon  
*Shaker Heights, Ohio*

Gaddis, Eugene Richard  
*Newark, Delaware*

Garland, Russell Mackie  
*Hingham, Massachusetts*

Garrett, Michael Dennis  
*Stockton Springs, Maine*

Gibbons, James Curtis  
*Greenwich, Connecticut*

Giddings, James Potter  
*Bennington, Vermont*

Glassman, William Edward  
*Pawtucket, Rhode Island*

Goldstein, Daniel Frank  
*Washington, D.C.*

Gordon, Claudius Alexander  
*Richmond, Virginia*

Gould, Blake Richard  
*Morrisville, Vermont*

Green, Mathewson Bushnell  
*Missoula, Montana*

Greenberg, Michael Alan  
*Silver Spring, Maryland*

Greenstone, Wayne David  
*Livingston, New Jersey*

Greenthal, John Lewis  
*New York, New York*

Gregory, Richard Harrington, III  
*Bronxville, New York*

Griffiths, James Riley  
*Park Ridge, Illinois*

Grimes, Justin Paul  
*Waltham, Massachusetts*

Grinnell, Daniel Voorhis  
*New York, New York*

Haggerty, Raymond Carpenter, III  
*Bethlehem, Pennsylvania*

Hardy, Timothy Steiner  
*Olympia Fields, Illinois*

Harrington, Sherwood  
*Norwich, New York*

Hart, William Earl  
*Pittsford, New York*

Hatton, Edward Henry, Jr.  
*Northbrook, Illinois*

Hawkins, David Rollo, Jr.  
*Charlottesville, Virginia*

Heinlein, David Arthur  
*Piscataway, New Jersey*

Henning, Peter Hemphill  
*Aurora, Illinois*

Henry, Eric Putnam  
*Berwyn, Pennsylvania*

Herzog, Michael Robert  
*Pittsford, New York*

Hessney, Richard Charles  
*Rochester, New York*

Hibbard, Thomas Dawes  
*Hartland, Wisconsin*

Hight, Frank Hanford  
*Short Hills, New Jersey*

Hills, David James  
*Nashua, New Hampshire*

Hoffmann, Thomas Burton  
*Paramus, New Jersey*

Hogan, Bruce Wagner  
*Bad Axe, Michigan*

Hogg, Ronald Walter  
*Philadelphia, Pennsylvania*

Holmes, Edwin Theodore  
*Fitchburg, Massachusetts*

Howe, Jeffrey Gordon  
*Moscow, Idaho*

Howell, David Charest  
*Worcester, Massachusetts*

# AMHERST COLLEGE

- Howland, Paul  
*Shaker Heights, Ohio*
- Hoxie, Frederick Eugene  
*Honolulu, Hawaii*
- Huising, Jurgen  
*Fishers Island, New York*
- Iben, Thomas Reinhard  
*Peoria, Illinois*
- Ihne, Robert Wayne  
*Martinsville, New Jersey*
- Ingle, Grant Meriwether  
*Hampden, Massachusetts*
- Ives, Donald Frank  
*Amherst, Massachusetts*
- Jackson, Jeffrey Mack  
*Shaker Heights, Ohio*
- Jacobs, Douglas Lee  
*Lanesboro, Massachusetts*
- Jacobson, Richard Craig  
*Flushing, New York*
- Joas, Edward Andrew  
*Bernardsville, New Jersey*
- Johnson, Christopher Dwight  
*Darien, Connecticut*
- Johnson, Paul Andrew  
*Valley Stream, New York*
- Jones, Kent Leonard  
*Tripoli, Libya*
- Jones, Robert Penfield, Jr.  
*Albany, New York*
- Jones, Thomas Wetteland  
*Chicago, Illinois*
- Kaczynski, Ronald Charles  
*Andover, Massachusetts*
- Kahn, Edward Stanton  
*Trenton, New Jersey*
- Kaltsas, Harvey Nicholas James  
*Worcester, Massachusetts*
- Kass, Jared Daniel  
*New Rochelle, New York*
- Keating, William Barry  
*Florence, Massachusetts*
- Keller, Daniel Whittemore  
*Laconia, New Hampshire*
- Kelley, Thomas Buchan  
*Winnetka, Illinois*
- Kelly, Thomas Edward  
*Reading, Massachusetts*
- Kicza, John Edward  
*Florence, Massachusetts*
- Klugman, Robert David  
*Havertown, Pennsylvania*
- Knapp, Richard David  
*Philadelphia, Pennsylvania*
- Knight, James Lawrence  
*Corning, New York*
- Knopf, Paul Vanderbilt  
*New York, New York*
- Kovacs, Alan Lawrence  
*Poughkeepsie, New York*
- Kraemer, Michael Frederick  
*Springfield, New Jersey*
- Landis, Eric  
*Highland Park, New Jersey*
- Laurence, David Ernst  
*Swampscott, Massachusetts*
- Lawlor, John Gary  
*Pittsburgh, Pennsylvania*
- Lawrence, Philip Joshua  
*Port Washington, New York*
- Lee, James Howard  
*Fairfield, Connecticut*
- Lehto, Richard Henry  
*Fitchburg, Massachusetts*
- Leinbach, John Delong, Jr.  
*Byram, Connecticut*
- Leininger, Christopher Jerrell  
*Amherst, Massachusetts*
- Levin, Jack Gary  
*University City, Missouri*
- Levy, Ronald Stuart  
*Uniontown, Pennsylvania*
- Lewis, D. Robert, Jr.  
*Rochester, New York*
- Lewis, Karle Duncan  
*Worcester, Massachusetts*
- Liias, Jurgen Wilhelm  
*Charlestown, Massachusetts*
- Lipscomb, John Dewald  
*Deerhurst, Wilmington, Delaware*
- Lotto, Edward Ernest  
*Uniondale, New York*
- Lovejoy, Samuel Holden  
*Wilbraham, Massachusetts*
- Luce, Charles Beardsley  
*Bloomfield, Connecticut*



- Lundholm, Thomas John  
*Minneapolis, Minnesota*
- Lynch, Michael Fowler  
*Arkadelphia, Arkansas*
- Lyons, Edmund Daniel, Jr.  
*Wilmington, Delaware*
- Macdonald, Duncan Elliot, Jr.  
*Lexington, Massachusetts*
- Machemer, Paul Aubrey  
*Oakland, Maine*
- Magee, Douglas Cady  
*Rome, New York*
- Maier, James Hollingsworth  
*Bryn Mawr, Pennsylvania*
- Mann, William Joseph, Jr.  
*West Hartford, Connecticut*
- Manzolari, John Clayton  
*Rochester, New York*
- Marblestone, Robert Andrew  
*Manhasset, New York*
- Marks, John Callison  
*Spokane, Washington*
- McCaffrey, Timothy Barry  
*Swarthmore, Pennsylvania*
- McCombs, Richard Nelson  
*Akron, Ohio*
- McCormick, Richard Levis  
*Piscataway, New Jersey*
- McDowell, John Anders  
*West Chester, Pennsylvania*
- McGowan, William Edward  
*Storrs, Connecticut*
- McNeary, Stephen Adams  
*Merion Station, Pennsylvania*
- Meadow, William Lee  
*Roslyn Heights, New York*
- Meyer, James, Jr.  
*New York, New York*
- Micheltore, David Larkin  
*Foxboro, Massachusetts*
- Miller, Robert Sargent  
*Bradford, Massachusetts*
- Moates, Guy Paul  
*Lexington, Massachusetts*
- Mohlman, Joseph Gray, Jr.  
*Fairfield, Connecticut*
- Monk, Paul John DeLashmutt  
*Kensington, Maryland*
- Moore, David Thornton  
*White Plains, New York*
- Moret, Richard Merrill  
*Tucson, Arizona*
- Morgan, Charles Brooke  
*Pottstown, Pennsylvania*
- Morgan, Paul Francis  
*Honolulu, Hawaii*
- Morse, Thomas Webb  
*Concord, New Hampshire*
- Muigai, Ngengi  
*Central Province, Kenya*
- Murray, Alexander Gordon  
*Winnetka, Illinois*
- Nagata, Tsutae  
*Tokyo, Japan*
- Nagler, Steven Franklin  
*Queens Village, New York*
- Nagorski, Andrew Zygmunt  
*Scarsdale, New York*
- Neel, Stephen Edward  
*Louisville, Kentucky*
- Nimmons, Madison Henry, III  
*East Cleveland, Ohio*
- O'Grady, Gene Michael  
*Palo Alto, California*
- O'Malley, Terrence Adams  
*Holyoke, Massachusetts*
- Ong, Nai-Theow  
*Penang, Malaysia*
- Ozawa, Yoshio  
*Shiga Prefecture, Japan*
- Paniagua, Mario Luis  
*Santurce, Puerto Rico*
- Parkinson, James Raymond  
*Amherst, Massachusetts*
- Patton, Ward Harris, III  
*Sarasota, Florida*
- Peltzer, Wesley Watson  
*Salt Lake City, Utah*
- Peterson, Kent Davis  
*Evanston, Illinois*
- Pfeiffer, William Sanborn  
*Hudson, Ohio*
- Phillips, John Work Garrett  
*North Haven, Connecticut*
- Phreaner, David Gray  
*Plandome, New York*

# AMHERST COLLEGE

Pistel, John Alan  
*Middletown, Connecticut*

Popejoy, John Alan  
*Malvern, Pennsylvania*

Post, Edward Tanner, Jr.  
*Chappaqua, New York*

Preston, Richard Stephen  
*Short Hills, New Jersey*

Quinn, Joseph Francis, Jr.  
*Baltimore, Maryland*

Rea, David Sherman  
*Ann Arbor, Michigan*

Reay, David Simmons  
*Garden City, New York*

Revington, George Daley, IV  
*West Lafayette, Indiana*

Roberts, David Hall  
*Washington, D.C.*

Rodgers, Terry Philip  
*Potomac, Maryland*

Rube, Allan Joseph  
*Orlando, Florida*

Santonelli, Steven  
*Wakefield, Massachusetts*

Sargent, Peter Bradley  
*Brunswick, Maine*

Sauer, Robert Thomas  
*Cornwall-on-Hudson, New York*

Saunders, William George, Jr.  
*New Britain, Connecticut*

Savidge, George Mark  
*Lambertville, New Jersey*

Schaeffer, Michael Meabon  
*Philadelphia, Pennsylvania*

Sellin, Joseph Henry  
*Syracuse, New York*

Sendzik, Jay Conway  
*Brick Town, New Jersey*

Shaffer, Gregory John  
*Nutley, New Jersey*

Shahnawaz, Muneer  
*Karachi, Pakistan*

Sieck, John Carleton  
*Scarsdale, New York*

Siffert, John Sand  
*New York, New York*

Silverman, Jay Ross  
*Rockville Centre, New York*

Silvestri, Peter Beradino  
*Hartford, Connecticut*

Simmonds, Albert William  
*Memphis, Tennessee*

Simpkins, Cuthbert Ormond, II  
*Hollis, New York*

Simpson, Robert Emmett, Jr.  
*Longmeadow, Massachusetts*

Smith, James Harold  
*Amherst, Massachusetts*

Snedecor, Peter James  
*Shaker Heights, Ohio*

Snyder, Colby Hopewell  
*Lancaster, Pennsylvania*

Spear, Brian Blackburn  
*Bloomfield, New Jersey*

Spratford, Michel Lawrence  
*Somerville, New Jersey*

Sproul, Robert Bowden  
*Wakefield, Massachusetts*

Stahr, John Thompson  
*Staten Island, New York*

Stauffer, Kent Thompson  
*Trotwood, Ohio*

Steinhart, Jonathan Ralph  
*Roselle, New Jersey*

Steinman, James Richard  
*Hewlett Harbor, New York*

Steketee, Richard Walton, Jr.  
*East Grand Rapids, Michigan*

Sternlieb, Jeffrey Laurence  
*Kingston, Pennsylvania*

Suh, Sang Mok  
*Seoul, Korea*

Sullivan, Daniel Joseph, Jr.  
*Waterbury, Connecticut*

Susi, Peter  
*Pittsfield, Maine*

Swanson, Robert Ernest  
*Feeding Hills, Massachusetts*

Tate, Ralph Stewart  
*Davenport, Iowa*

Tatum, Charles Maris, Jr.  
*Radnor, Pennsylvania*

Taylor, Geoffrey Preston  
*Middleton, Wisconsin*

Teller, Raymond Joseph  
*Philadelphia, Pennsylvania*

Thalmann, William Gregory, III  
*Long Valley, New Jersey*

Thewlis, Patrick Edward  
*Marblehead, Massachusetts*

Thomas, Frank Michael, Jr.  
*Pittsburgh, Pennsylvania*

Thompson, Loran Tyson  
*New York, New York*

Thompson, William Albert  
*Lynnfield, Massachusetts*

Thompson, William Wilson, II  
*Martinsburg, West Virginia*

Tobis, Jonathan Marvin  
*Manhasset, New York*

Uman, Howard Michael  
*Springfield, Massachusetts*

Vajda, Jorge Americo Ladislau  
*Sao Paulo, Brazil*

van Oss, Adriaan Cornelis  
*Royal Oak, Michigan*

Viscardi, Frederick John, Jr.  
*Great Barrington, Massachusetts*

Wallace, Bruce Gordon  
*Westfield, New Jersey*

Ward, Stephen Goldthwait  
*Alexandria, Virginia*

Warner, Thomas Seth  
*Syosset, New York*

Warr, Jesse James, III  
*Hyattsville, Maryland*

Waters, Emory Wallace  
*Petersburg, Virginia*

Wayne, Michael Stuart  
*Toronto, Ontario, Canada*

Weaver, Peter Charles  
*Pittsburgh, Pennsylvania*

Webb, Morrison DeSoto  
*South Salem, New York*

Weissman, Jon Ruston  
*Alexandria, Virginia*

Wells, Durbin Harper, Jr.  
*Sturbridge, Massachusetts*

Weyl, Stephen Edward  
*Philadelphia, Pennsylvania*

Whiteside, David Sandin  
*Brunswick, Maine*

Wilcox, Jamison Van Voorhees  
*Berkeley, California*

Wilken, Alan Warren  
*Fairbanks, Alaska*

Wilson, Scott Ormsbee  
*Eugene, Oregon*

Winther, Eric Anton  
*Bloomington, Indiana*

Wojtowicz, Richard Allen  
*Amherst, Massachusetts*

Wolf, Edwin Mershon  
*Cambridge, Massachusetts*

**Sophomores Class of 1970**

Abrams, Mark Abraham  
*Brooklyn, New York*

Alford, William Philip  
*Newton Centre, Massachusetts*

Allen, Timothy Hewitt  
*Chicago, Illinois*

Alpert, Bernard Stephen  
*Potsdam, New York*

Anderson, John Robert  
*Minneapolis, Minnesota*

Ans, Martins Ernests  
*Cheyenne, Wyoming*

Armour, Timothy Woodhouse  
*Lewiston, Idaho*

Ash, Mitchell Graham  
*Louisville, Kentucky*

Ashman, Jay Irwin  
*Summit, New Jersey*

Auten, David Thomsen  
*Rochester, New York*

Bacon, William Charles  
*Brighton, Massachusetts*

Bailey, Morris Edward  
*Syracuse, New York*

Battocchi, Ronald Silvio  
*Hartford, Connecticut*

Baxter, William Hubbard, III  
*Birmingham, Alabama*

Bayne, Bruce George Cuthbert  
*New York, New York*

Beach, David Hugh  
*Tarrytown, New York*

Beel, William James, Jr.  
*Birmingham, Michigan*

Beerbower, John Edwin  
*Dayton, Ohio*

# AMHERST COLLEGE

- Benatti, Paul Vernon  
*Provincetown, Massachusetts*
- Bentley, George William  
*Amherst, Massachusetts*
- Bernstein, Robert  
*West Orange, New Jersey*
- Bertkau, Richard Cole  
*Bedford Hills, New York*
- Biggs, Selden Ernest  
*Belmont, Massachusetts*
- Bingham, Robert Dorsey  
*Shaker Heights, Ohio*
- Bohman, Eric James  
*Royal Oak, Michigan*
- Bonnar, William Deacon  
*Marion, Massachusetts*
- Bookhout, David Alan  
*Oneonta, New York*
- Bourke, Thomas Krebs  
*Bethesda, Maryland*
- Bourque, Robert Edward  
*Augusta, Maine*
- Bowlus, James Edward  
*London, Ohio*
- Boyd, Timothy Wayne  
*Pennington, New Jersey*
- Boyer, Kenneth Duncan  
*Brooklyn, New York*
- Bradley, William J.  
*Flint, Michigan*
- Brinkley, James Foote, III  
*Seattle, Washington*
- Brock, Thomas Norris  
*Ridgewood, New Jersey*
- Brooks, Peter Sears  
*Cincinnati, Ohio*
- Cabot, James Bass  
*Wenham, Massachusetts*
- Cahan, David Harry  
*Brookline, Massachusetts*
- Caldwell, Samuel Dean, IV  
*Swarthmore, Pennsylvania*
- Callaway, Ely Reeves  
*New Canaan, Connecticut*
- Carafiol, Peter Coulter  
*St. Louis, Missouri*
- Carl, Jerrold DeKoven  
*Highland Park, Illinois*
- Carlone, Robert Leo  
*Red Bank, New Jersey*
- Carlson, Christopher Tapley  
*New Canaan, Connecticut*
- Carlton, David Lee  
*Spartanburg, South Carolina*
- Carter, William Leaphart  
*Elmhurst, Illinois*
- Casseres, Clark Gomes  
*Curacao, Netherlands Antilles*
- Chanin, Philip  
*Nashville, Tennessee*
- Checchi, Alfred Attilio  
*Silver Spring, Maryland*
- Cheng, Ronald Chung-Kuo  
*Hong Kong*
- Cianciolo, George James  
*Waterbury, Connecticut*
- Cichon, David Robert  
*Bristol, Connecticut*
- Civin, Curt Ingraham  
*Loudonville, New York*
- Clark, Douglass Burns  
*Coral Gables, Florida*
- Clegg, Timothy Turner  
*Chappaqua, New York*
- Clift, William Biggs, III  
*Andover, Massachusetts*
- Clyne, Terence Donelon  
*New York, New York*
- Cogley, Christopher  
*Santa Barbara, California*
- Cohen, Jonathan William  
*Bethesda, Maryland*
- Colglazier, Michael Davis  
*Bon Air, Virginia*
- Conger, Steven Janeway  
*Denver, Colorado*
- Cook, Edmund Garretson, III  
*Rosemont, Pennsylvania*
- Cooke, Carlton Perry, III  
*Buffalo, New York*
- Craige, Ernest, Jr.  
*Chapel Hill, North Carolina*
- Crary, James George  
*Huntington, New York*
- Crouch, Charles Miller  
*Bridgeport, Connecticut*

## SOPHOMORES

- |   |   |
|---|---|
| Cummins, David Bryan<br><i>Hewlett, New York</i>                  | Farrell, Paul Raymond<br><i>Oceanside, New York</i>                   |
| Curry, James Elliot<br><i>Oak Park, Illinois</i>                  | Ferguson, Charles Augustus, Jr.<br><i>Norbeck, Maryland</i>           |
| Dash, Harold<br><i>Wyncote, Pennsylvania</i>                      | Fincke, Andrew Luther<br><i>Havertown, Pennsylvania</i>               |
| Davis, Mark Winslow<br><i>Katonah, New York</i>                   | Fiske, Stephen Howard<br><i>Middlebury, Vermont</i>                   |
| Decyk, Viktor Konstantyn<br><i>Colrain, Massachusetts</i>         | Forbess, John David<br><i>Longmeadow, Massachusetts</i>               |
| Dein, James Lindall<br><i>Pelham, New York</i>                    | Foster, Stephen Matthews<br><i>Andover, Massachusetts</i>             |
| DeLapp, Bary Craig<br><i>New Canaan, Connecticut</i>              | Fowler, John Homer<br><i>Enfield, Connecticut</i>                     |
| DeMaria, Robert, Jr.<br><i>Northport, New York</i>                | Franchot, Peter Van Rensselaer<br><i>New York, New York</i>           |
| Denyer, Brian Lindsay<br><i>Carnoustie Angus, Scotland</i>        | Garberson, James Whitney<br><i>Sidney, Australia</i>                  |
| Dewdney, John Ronald<br><i>Newmarket, New Hampshire</i>           | Gaspard, Richard Eddy, Jr.<br><i>Honolulu, Hawaii</i>                 |
| Dibble, Francis Daniel, Jr.<br><i>Marion, Massachusetts</i>       | Gaymon, William Victor<br><i>Monrovia, Liberia</i>                    |
| Diggs, Bradley Craig<br><i>Missoula, Montana</i>                  | Gilliss, Thomas Park<br><i>Stamford, Connecticut</i>                  |
| Dijk, Robert Piller<br><i>Caracas, Venezuela</i>                  | Goggin, John Keith<br><i>Magnolia, Massachusetts</i>                  |
| Dorman, Peter Fitzgerald<br><i>Blauvelt, New York</i>             | Gomory, Paul Louis, Jr.<br><i>Bethesda, Maryland</i>                  |
| Dorman, Thomas Kirk<br><i>Rockville, Maryland</i>                 | Goodwin, James Hildreth<br><i>Darien, Connecticut</i>                 |
| Dorwart, David Andrew<br><i>Mansfield Center, Connecticut</i>     | Gordon, Joseph Wayne<br><i>Skokie, Illinois</i>                       |
| Driscoll, Brian Girard<br><i>Framingham, Massachusetts</i>        | Grahame, John Dakin<br><i>Amherst, Massachusetts</i>                  |
| Duboff, Robert Samuel<br><i>Scarsdale, New York</i>               | Green, Christopher Ellis<br><i>Winchester, Massachusetts</i>          |
| Edelstein, William<br><i>Brooklyn, New York</i>                   | Greenberg, John Stewart<br><i>Elkins Park, Pennsylvania</i>           |
| Edwards, Walter Sherman<br><i>Rumford, Rhode Island</i>           | Greenblatt, Daniel Lawrence<br><i>Newton Highlands, Massachusetts</i> |
| Einhorn, Jonathan Jay<br><i>New Haven, Connecticut</i>            | Greene, Christopher Taylor<br><i>Angola, New York</i>                 |
| Eisen, William Jay<br><i>University Heights, Ohio</i>             | Griffin, Francis Lee<br><i>Petersburg, Virginia</i>                   |
| Eisenhower, Dwight David, II<br><i>Phoenixville, Pennsylvania</i> | Griggs, Lewis Brown<br><i>St. Paul, Minnesota</i>                     |
| Faris, George Thomas, IV<br><i>Glenside, Pennsylvania</i>         | Gustafson, Peter Roland<br><i>West Boylston, Massachusetts</i>        |



# AMHERST COLLEGE

- |   |   |
|---|---|
| Hall, Mark Roberts<br><i>Seattle, Washington</i>                | Johnson, Bruce Stuart<br><i>Basking Ridge, New Jersey</i>     |
| Handsher, David Samuel<br><i>University City, Missouri</i>      | Jones, Lawrence Massey<br><i>Baltimore, Maryland</i>          |
| Harrington, Richard Daniel<br><i>Springfield, Massachusetts</i> | Kalter, James Andrew<br><i>New York, New York</i>             |
| Harris, Mark P.<br><i>Briarcliff Manor, New York</i>            | Kaplan, Michael Matthew<br><i>Newton, Massachusetts</i>       |
| Hart, Philip Thomas John<br><i>Springfield, Massachusetts</i>   | Karanikolas, William George<br><i>Glen Rock, New Jersey</i>   |
| Hawley, Bruce Peterson<br><i>East Orange, New Jersey</i>        | Kawano, Arnold Hubert<br><i>Merion Station, Pennsylvania</i>  |
| Hayes, William Danforth, III<br><i>Worcester, Massachusetts</i> | Kehoe, John Edward<br><i>Davenport, Iowa</i>                  |
| Hemenway, Andrew Maine<br><i>Northford, Connecticut</i>         | Kellogg, Richard Gregory<br><i>Boothbay, Maine</i>            |
| Herkenham, Miles Alan<br><i>Mill Valley, California</i>         | Kelly, John Thomas<br><i>West Deerfield, Massachusetts</i>    |
| Hibbard, Chase Tyler<br><i>Helena, Montana</i>                  | Kent, Stephen Peck<br><i>Denver, Colorado</i>                 |
| Hicks, Peter Clayton<br><i>Worcester, Massachusetts</i>         | Kenworthy, James Nelson<br><i>Colonia, New Jersey</i>         |
| Hodson, John Ralph<br><i>Brussels, Belgium</i>                  | Kingsley, Samuel John<br><i>Pacific Palisades, California</i> |
| Hogness, Erik Rusten<br><i>Seattle, Washington</i>              | Klinedinst, Charles Broeman<br><i>Cincinnati, Ohio</i>        |
| Hoke, Barry Owen<br><i>Casper, Wyoming</i>                      | Knowlton, Robert Gentry<br><i>Weston, Massachusetts</i>       |
| Horan, Thomas Francis<br><i>Edina, Minnesota</i>                | Knox, James Charlton<br><i>Basking Ridge, New Jersey</i>      |
| Howard, David Alan<br><i>Great Neck, New York</i>               | Krieger, Karl Hemingway<br><i>Missoula, Montana</i>           |
| Howland, Peter Adoue<br><i>Warwick, Rhode Island</i>            | Kuehn, Robert Stebbins<br><i>Wayzata, Minnesota</i>           |
| Humphrey, Peter Whiting<br><i>Ithaca, New York</i>              | Kyff, Robert Stewart<br><i>Armonk, New York</i>               |
| Hunt, Charles David<br><i>Columbus, Ohio</i>                    | LaFerriere, Paul Gerard<br><i>Cherry Hill, New Jersey</i>     |
| Huseman, Floyd Van<br><i>Corpus Christi, Texas</i>              | Lamb, John Francis, Jr.<br><i>Scarsdale, New York</i>         |
| Inouye, Allan Ames<br><i>Honolulu, Hawaii</i>                   | Laurence, Hugh Getty<br><i>Whitby, Ontario, Canada</i>        |
| Jacobson, Abram Robert<br><i>Newton, Massachusetts</i>          | Leavitt, Andrew Morton<br><i>Los Angeles, California</i>      |
| Jaffe, Alan Howard<br><i>Great Neck, New York</i>               | Levine, Lawrence William<br><i>Rockville Centre, New York</i> |
| Jarchow, Bruce Alan<br><i>Winnetka, Illinois</i>                | Levine, Peter Mark<br><i>Brooklyn, New York</i>               |

Lin, John Pou-Chung  
*Flushing, New York*

Litowitz, Robert Harold  
*Yonkers, New York*

Lobel, Steven Mark  
*Rockville Centre, New York*

Lwebuga-Mukasa, Jamson  
*Kampala, Uganda*

Mantica, Robert Philip  
*Milton, Massachusetts*

Manwell, James Francis  
*Hudson, Ohio*

Martin, Kenneth Trerise  
*Rye, New York*

Mastronarde, Donald John  
*Hartford, Connecticut*

May, Kenneth Sargeant  
*Amherst, Massachusetts*

Mays, Samuel Hardwicke, Jr.  
*Memphis, Tennessee*

Mays, Stuart O'Donald Roberts  
*Bethesda, Maryland*

McGee, Palmer Scott, III  
*Farmington, Connecticut*

McKitterick, Thomas Smith  
*Darien, Connecticut*

McNeer, Richard Mason, III  
*Montpelier, Vermont*

Meek, Allen George  
*Wilton, Connecticut*

Meeker, Richard Halliday  
*Washington, D.C.*

Meiklejohn, John Hollis  
*Wellesley, Massachusetts*

Mercier, John Randall  
*Wilmette, Illinois*

Merrell, Woodson Charles  
*Pittsburgh, Pennsylvania*

Merrick, Brian John  
*New York, New York*

Mersereau, Warren Wilder  
*Glen Rock, New Jersey*

Michael, James Elder, Jr.  
*Gambier, Ohio*

Michelmores, Thomas Richard  
*Glenhead, New York*

Miller, Thomas Edwin Stephenson  
*Bloomington, Indiana*

Mintzer, Paul  
*Brooklyn, New York*

Morray, Jeffrey Parker  
*Schenectady, New York*

Morrison, Harry Geoffrey  
*Lincoln, Rhode Island*

Myers, Fred Ralph  
*Narberth, Pennsylvania*

Nathan, Robert Stuart  
*Olivette, Missouri*

Naughton, Michael James  
*Old Saybrook, Connecticut*

Nazario, Nelson, Jr.  
*New York, New York*

Neale, Christopher Edwin  
*Jenkintown, Pennsylvania*

Neale, Timothy Arthur  
*Jenkintown, Pennsylvania*

Neff, Douglas Cameron  
*Nashville, Tennessee*

Nelson, Eric George  
*Wakefield, Massachusetts*

Nicklas, Brent Robert  
*Cooperstown, New York*

Nielsen, Robert Warner  
*Christiansted, Virgin Islands*

Norris, Kingsley Chamberlain, II  
*Locust, New Jersey*

O'Connell, John Geoffrey  
*Worcester, Massachusetts*

Ogden, Richard Leslie  
*Harrison, New York*

Oliphant, Thomas Pritchard  
*Albany, New York*

Osborn, Earl Dodge  
*Belvedere, California*

Parakilas, James Paul  
*Enfield, Connecticut*

Patterson, Eric Haines  
*Amherst, Massachusetts*

Pattillo, Manning Mason, III  
*Webster Groves, Missouri*

Phillips, Richard James  
*Westfield, New Jersey*

Porter, David Hill  
*Wellesley, Massachusetts*

Post, Jonathan French Scott  
*Rochester, New York*

# AMHERST COLLEGE

- Potanka, Edward Paul  
*Avon, Connecticut*
- Quinn, Daniel Richard  
*Uncasville, Connecticut*
- Ragland, Lawrence Carey  
*Lawrenceville, Virginia*
- Rainey, Thomas Day  
*San Antonio, Texas*
- Ransmeier, Denis Sirera  
*Concord, New Hampshire*
- Redhorse, David  
*Farmington, New Mexico*
- Reich, Jay Allen  
*Pittsburgh, Pennsylvania*
- Reichelderfer, Mark  
*Winnetka, Illinois*
- Reicher, Thomas Zachary  
*Syracuse, New York*
- Reichert, Robert Allan  
*Wilmette, Illinois*
- Reimherr, John Philip  
*Schenectady, New York*
- Reinus, John Francis  
*New York, New York*
- Reynolds, David Spencer  
*West Barrington, Rhode Island*
- Richmond, John Hart  
*Tucson, Arizona*
- Roby, David Stafford  
*Berlin, Connecticut*
- Roeder, Richard Kenneth  
*Summit, New Jersey*
- Rosenblum, Peter Marc  
*New York, New York*
- Rothendler, James Adam  
*Scarsdale, New York*
- Rutter, William Whitfield, Jr.  
*Wakefield, Massachusetts*
- Ryder, Jeff Wreden  
*Miami, Florida*
- Sanger, David Maurice  
*Tenafly, New Jersey*
- Sarafan, Peter Michael  
*Rockville Centre, New York*
- Sayle, Kenneth Ted  
*Larchmont, New York*
- Schmerler, George William  
*Baltimore, Maryland*
- Schumaker, Mark Bennett  
*Syracuse, New York*
- Seim, Anders  
*Rye, New York*
- Sessions, Stuart Lunsford  
*St. Louis, Missouri*
- Seward, Stephen Clark  
*Wappingers Falls, New York*
- Shaw, Warren Hansen  
*York, Maine*
- Sheehan, Gerard John  
*Irvington, New Jersey*
- Sheldon, William Burtis  
*Garden City, New York*
- Shevlin, William Winslow  
*Wakefield, Massachusetts*
- Shiboh, Mitsukazu  
*Tokyo, Japan*
- Sidman, Lawrence Richard  
*Chestnut Hill, Massachusetts*
- Sievert, Frederick James  
*Livonia, Michigan*
- Siguler, George William  
*Cleveland, Ohio*
- Silverman, David Lee  
*Melville, New York*
- Sims, Andrew Barnett  
*New Rochelle, New York*
- Sims, Richard Verden  
*Summit, New Jersey*
- Smith, Milford Knowles, Jr.  
*Rutland, Vermont*
- Smith, Stewart Wylie  
*Pittsburgh, Pennsylvania*
- Smythe, Charles Wyatt, Jr.  
*Haverford, Pennsylvania*
- Smythe, Christopher Earnshaw  
*Rye, New York*
- Soule, Robert Monroe, Jr.  
*Melrose, Massachusetts*
- Southworth, Jeffrey Glidden  
*Averill Park, New York*
- Spiegel, Lawrence Alan  
*Portland, Maine*
- Spielman, Robert Morris  
*West Orange, New Jersey*
- Stern, Steven  
*Elkins Park, Pennsylvania*

## SOPHOMORES

Stewart, Colin Emerson  
*Chapel Hill, North Carolina*

Strandburg, Robert John  
*Chappaqua, New York*

Strayhorn, Joseph Mallory, Jr.  
*Nashville, Tennessee*

Sucsy, Robert James  
*East Hampton, New York*

Swainbank, Daniel Robinson  
*St. Johnsbury, Vermont*

Swift, Douglas Albert  
*Syracuse, New York*

Swigert, Stephen Bruce  
*Webster Groves, Missouri*

Talbot, Jones Harold, III  
*Springfield, Massachusetts*

Taylor, Robert Campbell  
*West Hartford, Connecticut*

Thamavit, Sansoen  
*Bangkok, Thailand*

Thistlethwaite, James Richard, Jr.  
*Washington, D.C.*

Thompson, David Sinclair  
*Swarthmore, Pennsylvania*

Thompson, Richard Stanley  
*San Bernardino, California*

Thornbury, Arthur Stanley, Jr.  
*Birmingham, Michigan*

Triano, George Louis  
*Naugatuck, Connecticut*

Trithart, David Irvin  
*White Plains, New York*

Troland, Thomas Hugh  
*New London, Connecticut*

Tucker, Byron Glen  
*Chattanooga, Tennessee*

Tucker, Charles Robert  
*Providence, Rhode Island*

Turow, Scott Frederic  
*Winnetka, Illinois*

Uyehara, Christopher Ken  
*West Chester, Pennsylvania*

Van Etten, David Hoyt  
*Laconia, New Hampshire*

Vetterling, William Thomas  
*Greenfield, Massachusetts*

Viall, Thomas Radford  
*East Providence, Rhode Island*

Vournas, George Christopher  
*St. Louis, Missouri*

Ward, Calvin Peter, Jr.  
*Chicago, Illinois*

Ward, Philip John  
*Springfield, Massachusetts*

Ward, Steven Eric  
*Waban, Massachusetts*

Wardley, George Paul  
*Madison, New Jersey*

Waskiewicz, David Edward  
*Amherst, Massachusetts*

Weaver, Richard Roy  
*Larchmont, New York*

Webber, Alan Michael  
*St. Louis, Missouri*

Weber, Eric Williams  
*Mountain Lakes, New Jersey*

Weiner, Michael Seth  
*Bronx, New York*

Weinhaus, Richard Steven  
*St. Louis, Missouri*

Weir, William Thomas  
*Hiram, Ohio*

Wessels, Stephen Wallace  
*West Hartford, Connecticut*

Wiedmann, Clark Allen  
*Palos Verdes, California*

Wilcox, William Webb  
*Meriden, Connecticut*

Willard, John Morris  
*Chappaqua, New York*

Wilson, Steven Brooks  
*Pittsford, New York*

Winn, Dennis Lee  
*Dallas, Texas*

Winslow, James Weeks  
*Tarboro, North Carolina*

Witten, Montgomery Wray  
*Bronxville, New York*

Wodlinger, Eric Winslow  
*Kodiak, Alaska*

Wold, Ronald Odin  
*Beaverton, Oregon*

Wolff, Peter Uri  
*Syracuse, New York*

Wood, Robert Aldace  
*West Boylston, Massachusetts*

# AMHERST COLLEGE

Woolf, Burton Israel  
*Brookline, Massachusetts*  
 Worth, Donald Baxter  
*Mitaka-Shi, Tokyo, Japan*  
 Yaghjian, David Henry  
*Columbia, South Carolina*  
 Zarin, David Paul  
*South Orange, New Jersey*  
 Zenick, Mark William  
*Waterbury, Connecticut*  
 Zimmerman, John Jeffrey  
*Algonquin, Illinois*  
 Zoulalian, George Paul  
*Revere, Massachusetts*  
 Zuckerman, Lanny Marc  
*Yorktown Heights, New York*

## Freshmen Class of 1971

Abbey, Douglas Dix  
*Bethesda, Maryland*  
 Abrahamson, Robert Louis  
*Elkins Park, Pennsylvania*  
 Adams, Roger Cole  
*Chestnut Hill, Massachusetts*  
 Agnew, Peter Tomlin  
*Summit, New Jersey*  
 Ahern, John Joseph, III  
*Excelsior, Minnesota*  
 Albisetti, James Charles  
*Williamsville, New York*  
 Allen, Bruce Edgerton  
*Canton, Massachusetts*  
 Allen, Taylor Metcalf  
*Rockport, Maine*  
 Alper, Jonathan Louis  
*Chevy Chase, Maryland*  
 Anderson, Herbert Clark  
*Evansville, Indiana*  
 Anderson, John Arvid  
*Portland, Connecticut*  
 Andrews, Robert Goff  
*St. Paul, Minnesota*  
 Andrews, Terry Leland  
*Lincoln, Illinois*  
 Axinn, Lennard Dale  
*Huntington, New York*  
 Bacon, Douglas Arms  
*Amherst, Massachusetts*

Bartlett, David Scott  
*Concord, Massachusetts*  
 Bartlett, Leslie Dale  
*Gossville, New Hampshire*  
 Barwick, William Durham  
*Atlanta, Georgia*  
 Beckerman, Dale Lee  
*Omaha, Nebraska*  
 Bedard, Richard Frank  
*Springfield, Massachusetts*  
 Beeson, John Robinson  
*Chappaqua, New York*  
 Belding, David French  
*Sidney, New York*  
 Benge, Guy Thomas  
*Caracas, Venezuela*  
 Bias, Thomas Grantland  
*Baltimore, Maryland*  
 Bicknell, John Leonard  
*Marshfield, Massachusetts*  
 Bliss, John Wheeler  
*Locust Valley, New York*  
 Bottiggi, James Augustus  
*Barre, Vermont*  
 Boxer, Martin Brand  
*Scarsdale, New York*  
 Bradley, John Mackemer  
*Peoria, Illinois*  
 Bradley, Michael Allen  
*Blackstone, Massachusetts*  
 Brody, Martin Alan  
*Elgin, Illinois*  
 Bromell, Alfred Henry  
*Oyster Bay, New York*  
 Brown, Garrett Mills  
*Darien, Connecticut*  
 Brown, Robert Alden  
*Buffalo, New York*  
 Brudney, James Julius  
*New York, New York*  
 Butterfield, Bruce Scott  
*Haworth, New Jersey*  
 Caroff, Peter  
*New York, New York*  
 Carroll, William Joseph Edward  
*Reading, Massachusetts*  
 Cassidy, Owen Michael  
*Lynbrook, New York*



## FRESHMEN

- Chapin, John Alexander  
*Wellesley Hills, Massachusetts*
- Chase, Rodman Abbot  
*Bristol, Rhode Island*
- Clafin, Edward Beecher  
*Cleveland, Ohio*
- Clauss, Roy Stuart  
*New York, New York*
- Coffin, Mark Istram  
*Haverford, Pennsylvania*
- Cohen, Robert Alan  
*Newburgh, New York*
- Cole, Harry Fahrig  
*Providence, Rhode Island*
- Comfort, Richard Whiteley, Jr.  
*Columbus, Ohio*
- Compton, Joseph Emerett, III  
*Detroit, Michigan*
- Cope, Stephen Crothers  
*Wooster, Ohio*
- Corbett, Alfred Hoyt, Jr.  
*Portland, Oregon*
- Cornell, Christopher Lloyd  
*Providence, Rhode Island*
- Couper, Barrett Williams  
*Clinton, New York*
- Crimp, David Hathaway  
*Downingtown, Pennsylvania*
- Croft, Frederick Titus  
*Wilmette, Illinois*
- Crosson, David Anthony  
*West Hartford, Connecticut*
- Cummings, Roger Holt  
*Birmingham, Michigan*
- Cushman, Frank Pendleton  
*Amherst, Massachusetts*
- Danforth, Loring Mandell  
*Westwood, Massachusetts*
- Daring, Kevin Mason  
*Clarks Summit, Pennsylvania*
- Dasher, John Morton  
*Darien, Connecticut*
- Davis, Thomas Milburn, III  
*Arlington, Virginia*
- De Bree, Thomas Dean  
*Pearl River, New York*
- DeForge, Michael Glynn  
*Agawam, Massachusetts*
- DeWitt, Norman Wentworth, II  
*St. Paul, Minnesota*
- DeWitt, Thomas Gebhard  
*Minneapolis, Minnesota*
- Dickinson, John Carlton  
*East Aurora, New York*
- di Sant'Agnese, Paul Anthony  
*Washington, D.C.*
- Donovan, Thomas Edward  
*Norwood, Massachusetts*
- Dorrance, Christopher Allison  
*Penfield, New York*
- Duffield, Christopher  
*Tucson, Arizona*
- Duffy, Kirk Mallory  
*Greenwich, Connecticut*
- Dunn, Stephen Cameron  
*Rumson, New Jersey*
- Ellenport, Robert Saul  
*Union, New Jersey*
- Elliott, Robert Raymond, III  
*Interlaken, New York*
- Elman, Joseph Shalit  
*Bethesda, Maryland*
- Elster, James Richard  
*Tenafly, New Jersey*
- Emory, David Alan  
*Scarsdale, New York*
- English, Edward Robertshaw  
*Dedham, Massachusetts*
- Farwell, Steven Austin  
*Northbrook, Illinois*
- Fawcett, Robert Sayers  
*Cedar Rapids, Iowa*
- Feierabend, Raymond Hopkins, Jr.  
*Baton Rouge, Louisiana*
- Fels, Peter Louis  
*Los Angeles, California*
- Finlayson, Ian Edward  
*Toronto 5, Ontario, Canada*
- Fischer, Frederick John  
*St. Paul, Minnesota*
- Fish, Robert Stuart  
*Baltimore, Maryland*
- Fisher, Andrew Randolph  
*Briarcliff Manor, New York*
- Flewelling, Robert Arthur  
*Crouseville, Maine*

# AMHERST COLLEGE

Fobi, Simon Nchinda  
*Bamenda, West Cameroon*

Francis, Carl Arthur  
*Springfield, Massachusetts*

Francis, Henry Minton, Jr.  
*Washington, D.C.*

Frazer, James Nisbet, Jr.  
*Atlanta, Georgia*

Freeman, George Henry  
*Forest Hills, New York, N.Y.*

French, Peter Haskins  
*Wellesley Hills, Massachusetts*

Fuller, Thomas Hoyt, Jr.  
*Portsmouth, Virginia*

Garlan, David Barnard  
*Portland, Oregon*

Gilbert, Charles Douglas  
*Great Neck, New York*

Gilkeson, John Shanklin, Jr.  
*Claremore, Oklahoma*

Glantz, Jonathan Richard  
*Rockville Centre, New York*

Goggans, Frederick Crawford  
*Fort Worth, Texas*

Goldman, Henry Frank  
*Rockville Centre, New York*

Goodman, Richard Stuart  
*St. Paul, Minnesota*

Goodrich, David West  
*Santa Barbara, California*

Gordon, Peter Hofman  
*Beachwood, Ohio*

Grandy, Wilbert Haywood, Jr.  
*Washington, D.C.*

Gudridge, Kevin Bradley  
*Rockville, Maryland*

Gunnels, Stephen Hugh  
*St. Louis, Missouri*

Haley, Jeffrey Thornton  
*Tacoma, Washington*

Haley, Joaquin Bradford  
*North Chicago, Illinois*

Handyside, Read Shailer  
*Schenectady, New York*

Harding, Robert Weld, Jr.  
*Augusta, Georgia*

Harris, Benjamin Fulliard  
*Dallas, Texas*

Hastil, John Christopher Patrick  
*Bayside, New York*

Hawkins, Robert Wilson  
*Charlottesville, Virginia*

Hayden, Timothy David  
*Amherst, Massachusetts*

Heck, Richard Charles, Jr.  
*Royal Oak, Michigan*

Heller, Jonathan O'Neill  
*Middletown, New Jersey*

Hellerman, James Guy  
*Longmeadow, Massachusetts*

Hendricks, John Kelly Philip  
*Meadville, Pennsylvania*

Hill, Steven Devereux  
*Marblehead, Massachusetts*

Hoadley, Thomas Arthur  
*Milford, New Hampshire*

Hom, Anthony James  
*Albertson, New York*

Horn, Steven Eliot  
*Scarsdale, New York*

Houghton, James Fitch  
*Washington, D.C.*

Hoyt, David Butler  
*Akron, Ohio*

Hudson, Tom Scott  
*Zionsville, Indiana*

Ignatoff, Elisha M.  
*Bronx, New York*

Israels, Michael Jozef  
*New York, New York*

Jaenike, John Robert, Jr.  
*Pittsford, New York*

Jakobek, James Wallace  
*Merrimac, Massachusetts*

Johnson, David Robert Michael  
*Windsor, Connecticut*

Johnson, Gregory Keith  
*Cincinnati, Ohio*

Jones, John Christopher  
*Bronx, New York*

Jones, Robert Lee  
*Bristol, Connecticut*

Jones, Robert Lee  
*Tulsa, Oklahoma*

Karter, Michael Joshua  
*New York, New York*

## FRESHMEN

- Kaufman, Daniel Jonathan  
*Great Neck, New York*
- Kay, Jonathan Nueve  
*Wilmington, Delaware*
- Kelly, Denis Francis  
*Worcester, Massachusetts*
- Kendall, William Robert  
*Stroudsburg, Pennsylvania*
- Kenyon, Allen T Scott  
*New Rochelle, New York*
- Kister, Edward Arthur, Jr.  
*Pittsburgh, Pennsylvania*
- Klein, Laurence Alan  
*Brooklyn, New York*
- Koths, Kirston Edward  
*Storrs, Connecticut*
- Kozlow, Gerald Michael  
*Dearborn Heights, Michigan*
- Kriss, Eric Arthur  
*Stanford, California*
- Landers, Thomas Patrick Mark  
*Hartford, Connecticut*
- Landmesser, Charles Watson  
*Loudonville, New York*
- Lanza, John Francis, Jr.  
*Hingham, Massachusetts*
- Laracuenta, Harry  
*New York, New York*
- Laurenson, Edwin Charles  
*Canton, Ohio*
- Leonard, Daniel Pitt  
*Darien, Connecticut*
- Lerner, Corey Eliot  
*Rego Park, New York*
- Lewy, Glen Sheldon  
*New Milford, New Jersey*
- Lincoln, Edward John  
*Basking Ridge, New Jersey*
- Linker, Jonathan Steven  
*Ringoes, New Jersey*
- Lipsky, Abbott Bennett, Jr.  
*Cedar Rapids, Iowa*
- Little, Justin Frank  
*Moorestown, New Jersey*
- Lockwood, John Stephen  
*Bogota, New Jersey*
- Low, Stuart  
*Danvers, Massachusetts*
- Lucas, Frederick Vance, Jr.  
*Columbia, Missouri*
- Mack, George Edgar  
*Litchfield, Connecticut*
- MacKay, Leigh Barbour  
*Marshfield, Massachusetts*
- Mackie, John Perkins  
*Stockbridge, Massachusetts*
- Madow, Michael Peter  
*Valley Stream, New York*
- Malick, Daniel Franklin  
*Monroeville, Pennsylvania*
- Mandelbaum, Joel  
*Brooklyn, New York*
- March, Charles Whipple  
*Needham, Massachusetts*
- Marino, Michael Joseph  
*Farmington, Connecticut*
- Marinucci, Ronald Eugene  
*Dearborn, Michigan*
- Mason, John Dudley  
*Catlettsburg, Kentucky*
- Matis, Louis Alan  
*Woodmere, New York*
- Mayo, Thomas William  
*Springfield, Massachusetts*
- McBride, John Hammond, Jr.  
*West Hartford, Connecticut*
- McKenna, John Andrew  
*San Mateo, California*
- McKeon, John Harold, Jr.  
*Moorestown, New Jersey*
- McNamara, Robert James  
*New York, New York*
- McNeer, Craig Selden  
*Montpelier, Vermont*
- McNitt, Willard Charles, III  
*Winnetka, Illinois*
- Meletiche, Pascual  
*New York, New York*
- Merrill, Charles Clement  
*Omaha, Nebraska*
- Merves, Edward Hofkin  
*Philadelphia, Pennsylvania*
- Miller, Keith Lawrence  
*Glencoe, Illinois*
- Mixer, Roger Conant, Jr.  
*Milwaukee, Wisconsin*

# AMHERST COLLEGE

- Monego, John Edwin  
*Sherborn, Massachusetts*
- Monroe, Paul Sheldon  
*Chatham, New Jersey*
- Moore, Heath  
*Easton, Pennsylvania*
- Moore, William Fowler  
*Lewiston, Idaho*
- Moriarty, Marshall Theodore  
*Springfield, Massachusetts*
- Morris, Robert Lorenzo  
*Jamaica, New York*
- Mudge, John Tenbroeck  
*Lyme, New Hampshire*
- Murchison, Wallace Carmichael, Jr.  
*Wilmington, North Carolina*
- Nater, Timothy Michael James  
*New York, New York, A.P.O.*
- Nathan, David Matthew  
*Rockville Centre, New York*
- Nickerson, Daniel Warren  
*Portsmouth, New Hampshire*
- Oxtoby, Thomas Corning  
*Bryn Mawr, Pennsylvania*
- Palmer, Ernest, III  
*Winnetka, Illinois*
- Parten, John Randolph  
*Madisonville, Texas*
- Pearson, Stanford Carl  
*Tampa, Florida*
- Pelletier, Michael  
*St. Louis, Missouri*
- Perez, Jose Garcia  
*Chappaqua, New York*
- Perkins, Andrew Mensel  
*Batavia, New York*
- Petersen, Jeffrey Williams  
*Troy, New York*
- Peterson, John Howard  
*New Richmond, Wisconsin*
- Pettit, William Arthur Gerard  
*Buffalo, New York*
- Pfeil, John Frederick  
*Port Allegany, Pennsylvania*
- Phillips, Edward Rooker  
*Southampton, Massachusetts*
- Pinsof, Lawrence Daniel  
*Winnetka, Illinois*
- Playe, Stephen Jan  
*Homewood, Illinois*
- Podell, Ronald Mark  
*Elizabeth, New Jersey*
- Pomeroy, Tennyson Lee, II  
*North Reading, Massachusetts*
- Ponemone, Scott Davis  
*Randallstown, Maryland*
- Pritzker, Marc Richard  
*St. Paul, Minnesota*
- Quill, Timothy Edward  
*Marblehead, Massachusetts*
- Quinn, James Allen  
*Stroudsburg, Pennsylvania*
- Rachlin, Jeffrey  
*Tarrytown, New York*
- Reed, James Keel  
*Woodstown, New Jersey*
- Reed, Stephen Alan  
*Rochester, New York*
- Rhodes, Roger Walker  
*Amherst, Massachusetts*
- Richmond, John Alan  
*Tampa, Florida*
- Rimmer, Norman David  
*Wellesley, Massachusetts*
- Rizzo, Joseph Nicholas, Jr.  
*Manhasset, New York*
- Robinson, William Eric  
*Woodland, California*
- Roderick, Barry Nelson  
*Oxford, Maine*
- Rogalski, Gary Louis  
*Westland, Michigan*
- Romano, Gennaro Anthony, III  
*Derby, Connecticut*
- Rosenthal, Andrew Martin  
*Woodcliff Lake, New Jersey*
- Rowley, William Robert  
*Natick, Massachusetts*
- Ryan, Russell Lloyd Ranson  
*East Grand Rapids, Michigan*
- Salem, David William  
*N. Brookfield, Massachusetts*
- Sandhaus, Richard Carl  
*Westport, Connecticut*
- Schoonmaker, William Barnes  
*Ventura, California*

## FRESHMEN

Schott, Winfried  
*Port Washington, New York*

Schwarz, Ralph  
*Westport, Connecticut*

Scott, Terrence Lyon  
*Maplewood, New Jersey*

Segal, Eric Lloyd  
*Worcester, Massachusetts*

Sellers, Thomas Peyton, III  
*Madison, New Jersey*

Sernaker, Harry Lewis  
*Bayside, New York*

Shepardson, Rodney Beale  
*Reston, Virginia*

Shook, James Merrill  
*Scotia, New York*

Sills, Marc Alan  
*Chelmsford, Massachusetts*

Simko, Michael Devlin  
*Trenton, New Jersey*

Sims, Charles Stephen  
*Detroit, Michigan*

Smart, Robert Thomas, Jr.  
*Braintree, Massachusetts*

Smith, Crawford Cunningham  
*Wilkes-Barre, Pennsylvania*

Smith, Jeffrey Davis  
*Endicott, New York*

Smith, Mark Alan  
*East Meadow, New York*

Smith, Michael Raymond  
*Baltimore, Maryland*

Smith, Thomas Russell  
*Dansville, New York*

Smith, Winthrop Hiram, Jr.  
*Morris, Connecticut*

Snyder, Gordon Barnefield  
*Woodbridge, Connecticut*

Solkow, Michael Bruce  
*Scarsdale, New York*

Solomon, Rodney Jeff  
*Cincinnati, Ohio*

Sparks, Robert Steven  
*St. Louis, Missouri*

Spear, Frank Shaw  
*Westport, Connecticut*

Spector, Paul David  
*Hartford, Connecticut*

Spivack, Carl R.  
*New York, New York*

Stark, Whitney Williams, III  
*New City, New York*

Stec, Philip Joseph Edward  
*Newington, Connecticut*

Stephens, Paul Richard  
*Circleville, Ohio*

Stevenson, Mark Andrew  
*Lancaster, Pennsylvania*

Stifler, David Evans  
*Baltimore, Maryland*

Stoddard, Edward Forrest, III  
*Amherst, Massachusetts*

Stott, Frederic Sanderson  
*Andover, Massachusetts*

Stowe, James Borst  
*North Haven, Connecticut*

Strickler, Charles Suplee, Jr.  
*Gladwyne, Pennsylvania*

Suher, Thomas Richard  
*Springfield, Massachusetts*

Sutphin, Gregory Barton  
*Huntington, New York*

Tait, Raymond Caldwell  
*Summit, New Jersey*

Tamsky, Adam  
*West Hartford, Connecticut*

Taunton, Joel Christopher  
*Glen Rock, New Jersey*

Taylor, Thomas Glanville  
*Providence, Rhode Island*

Teichgraeber, Richard Frederick, III  
*Houston, Texas*

Tolan, Thomas Lawrence, III  
*Milwaukee, Wisconsin*

Tombs, Edward Andrew Alfred  
*Port Credit, Ontario, Canada*

Tucker, Herbert Frederick, Jr.  
*Rumford, Rhode Island*

Tucker, John Stancliff  
*Seattle, Washington*

Turton, Roger Wilmot  
*Greenfield, Massachusetts*

Valens, Marc John  
*Mill Valley, California*

Valiunas, Dominic Rytis  
*New Rochelle, New York*



AMHERST COLLEGE

- Vander Heide, Douglas John  
*Beverly Hills, California*
- Varney, Ronald Dixon  
*Morrisville, Pennsylvania*
- Vitello, Ernest Allen  
*Derby, Connecticut*
- Vitousek, Peter Morrison  
*Honolulu, Hawaii*
- Volet, Thomas  
*Roslyn, New York*
- Volin, James Jay  
*Oceanside, New York*
- Wartenberg, Thomas Eliot  
*Great Neck, New York*
- Warthen, John Benton, III  
*Vidalia, Georgia*
- Watts, Gregory Lawrence  
*Rochester, New York*
- Webber, William Sutton, IV  
*Great Barrington, Massachusetts*
- Weeks, Robert Roland  
*Seattle, Washington*
- Wenzel, Robert Frederick  
*Saint Louis, Missouri*
- Wesson, Laurence Nathaniel  
*Rosemont, Pennsylvania*
- Westbrook, Nicholas Kilmer  
*Ballston Spa, New York*
- Whalen, Thomas Joseph, III  
*Stoughton, Massachusetts*
- Wheeler, William Randolph  
*Durham, New Hampshire*
- Whitaker, Daniel Collier  
*Falls Church, Virginia*
- Whittemore, Stanley Lawrence, Jr.  
*Winnetka, Illinois*
- Wilkes, Charles Cafritz  
*Bethesda, Maryland*
- Wilkins, Arthur Carroll  
*Silver Spring, Maryland*
- Williams, Wilburn, Jr.  
*Greenwood, Mississippi*
- Willing, Brooke Anspach  
*Falmouth, Foreside, Maine*
- Yarchoan, Robert  
*Oceanside, New York*
- Zaffetti, Dennis John Joseph  
*Hartford, Connecticut*
- Zins, Barry Lewis  
*Chester, New Jersey*

# SUMMARY

## SUMMARY OF ENROLLMENT

Graduate Students . . . . .	1	Sophomores, Class of 1970 . . .	314
Seniors, Class of 1968 . . . . .	298	Freshmen, Class of 1971 . . .	304
Juniors, Class of 1969 . . . . .	294	Students not enrolled for a degree	2
		Total . . . . .	1213

## CLASSIFICATION BY RESIDENCE

New York . . . . .	275	Alaska . . . . .	2
Massachusetts . . . . .	186	Nebraska . . . . .	2
Connecticut . . . . .	93	West Virginia . . . . .	2
New Jersey . . . . .	89	Wyoming . . . . .	2
Pennsylvania . . . . .	79	Arkansas . . . . .	1
Illinois . . . . .	44	Louisiana . . . . .	1
Maryland . . . . .	42	Mississippi . . . . .	1
Ohio . . . . .	39	New Mexico . . . . .	1
California . . . . .	30	Utah . . . . .	1
Missouri . . . . .	26	Japan . . . . .	7
Michigan . . . . .	24	Canada . . . . .	6
Virginia . . . . .	24	Hong Kong . . . . .	4
Minnesota . . . . .	18	France . . . . .	3
Rhode Island . . . . .	17	Venezuela . . . . .	2
District of Columbia . . . . .	14	Australia . . . . .	1
Maine . . . . .	14	Belgium . . . . .	1
New Hampshire . . . . .	13	Brazil . . . . .	1
Florida . . . . .	11	Burma . . . . .	1
Tennessee . . . . .	10	England . . . . .	1
Texas . . . . .	10	Greece . . . . .	1
Vermont . . . . .	9	Kenya . . . . .	1
Washington . . . . .	8	Korea . . . . .	1
Hawaii . . . . .	7	Liberia . . . . .	1
Oregon . . . . .	7	Libya . . . . .	1
Indiana . . . . .	6	Malaysia . . . . .	1
Montana . . . . .	6	Netherlands . . . . .	1
Wisconsin . . . . .	6	Pakistan . . . . .	1
Arizona . . . . .	5	Puerto Rico . . . . .	1
Delaware . . . . .	5	Scotland . . . . .	1
Iowa . . . . .	5	Tanzania . . . . .	1
Kentucky . . . . .	5	Thailand . . . . .	1
North Carolina . . . . .	5	Uganda . . . . .	1
Georgia . . . . .	4	Uruguay . . . . .	1
Oklahoma . . . . .	4	Virgin Islands . . . . .	1
South Carolina . . . . .	4	West Cameroon . . . . .	1
Alabama . . . . .	3	West Germany . . . . .	1
Colorado . . . . .	3		
Idaho . . . . .	3	Total . . . . .	1210



# VI

THE SOCIETY OF THE ALUMNI

THE ALUMNI COUNCIL

THE ALUMNI ASSOCIATIONS





# The Society of the Alumni

## OFFICERS

*Honorary President:* Frank L. Babbott, '13

*President:* James P. Wilkerson, '37

*Vice Presidents:* Lucius E. Thayer, '18; Kurt L. Daniels, '23; Robert E. Dillon, '28; H. Prentice Browning, '33; Royal Firman, '38

*Secretary-Treasurer:* J. Alfred Guest, '33

## COMMITTEES

*Nominating Committee:* Robert A. Eaton, '43 (Chairman); Scott H. Foster, '33; Edwin F. Sherman, '38; Bradley E. Gage, '48; Donald S. Ostrander, '53

*Inspectors of Election:* William H. Ross, '29 (Chairman); John H. Hills, '31; H. Hills Skillings, '38

*Committee to Nominate Alumni Trustees:* C. Terence Clyne, '28 (Chairman); Richard H. Gregory, '33; Richmond M. Sutherland, '38; William H. Agnew, '43; Byron T. Foster, '53

The Annual Meeting of The Society of the Alumni is held in Commencement Week.

# The Alumni Council

## OFFICERS

*Chairman:* James P. Wilkerson, '37

*Secretary:* J. Alfred Guest, '33

## EXECUTIVE COMMITTEE

Miner D. Crary, Jr., '42 (Chairman); Seth H. Dubin, '54; Stephen W. Grant, '30; Walter J. Hunziker, Jr., '51; James B. Lyon, '52; Dolph W. Zink, '43

## REPRESENTATIVES OF CLASSES

1892	Allan P. Ball	1925	Merton L. Griswold
1894	Cornelius S. Hurlbut	1926	Paul C. French
1900	Osmond J. Billings	1927	Robert A. Arms
1901	Joseph Warner	1928	Stephen Brown
1903	Albert W. Atwood	1929	Geoffrey G. Felt
1904	Ernest M. Whitcomb	1930	Richard W. Loud
1905	Charles C. McTernan	1931	S. Harris Johnson, III
1906	Carl E. Hollender	1932	William T. Stewart, Jr.
1907	Chester H. Andrews	1933	Grant N. Nickerson
1908	Hugh W. Hubbard Robert H. Kennedy	1934	John W. White
1909	Robert C. Chapin	1935	Arthur R. English
1910	John Porter	1936	George T. Bristol, Jr.
1911	Laurence W. Roberts	1937	Richard S. Zeisler
1912	C. Francis Beatty	1938	Bennett Meyers
1914	Maurice F. Childs	1939	Channing B. Richardson
1915	William Whiting	1940	Louis F. Eaton, Jr.
1916	Homans Robinson	1941	Robert G. Ingraham
1917	Donald E. Temple Eric H. Marks	1942	Edward J. Kneeland
1918	Augustus W. Bennet	1943	Andrew Fisher
1919	Herman W. Wessel	1944	Meredith N. Stiles
1920	Perry B. Jenkins	1945	Samuel F. Trull
1921	John N. Worcester	1946	Robert W. Sucsy
1922	Edward S. O'Donnell	1947	Edwin C. Van Valey
1923	Winthrop Tilley	1948	Bruce K. Skipton
1924	Richard S. Kyle	1949	S. Bradford Tingley

## THE ALUMNI COUNCIL

1950	Frank G. Stisser, Jr.	1959	Peter T. Esty
1951	Thomas H. Wyman	1960	David I. Shactman
1952	Mercer D. Tate	1961	Alexander S. Twombly, III
1953	Peter Schrag	1962	Ralph E. Ardif, Jr.
1954	Jon F. Oster	1963	Mark E. Meyerson
1955	Alling Brown	1964	Peter D. Kleinman
1956	Peter G. Hindle	1965	William R. Buechner
1957	Robert E. Keiter	1966	Charles K. Wray
1958	John E. G. Bischof	1967	Irvin D. Gordon

## REPRESENTATIVES OF ALUMNI ASSOCIATIONS

<i>Arizona (Phoenix)</i> Eric H. Marks '17	<i>Hawaii</i> Alexander C. Marrack '55
<i>Arizona (Tucson)</i> Linn M. Hazen '33	<i>Indiana</i> Gerry LaFollette '55
<i>Baltimore</i> Stephen T. Ellen '37	<i>Maine</i> Richard S. Wolfe '52
<i>Boston</i> Marcus G. Beebe '36	<i>Massachusetts (Central)</i> Thomas D. Bushman '51
<i>California (Northern)</i> David Winslow '38	<i>Michigan</i> Richard J. Langs '55
<i>California (Southern)</i> Richard W. Patton '54	<i>Minnesota</i> Edward C. Stringer '57
<i>Cape Cod</i> Nelson Stone '13	<i>New Hampshire</i> Harold C. F. Hammerstrom '28 Howard B. Lane '26
<i>Chicago</i> Robert B. Jarchow '44 Austin M. Zimmerman '31	<i>New York (City)</i> James H. Balmos '50 Peter J. Weiller '56
<i>Connecticut</i> J. Herbert Arnold, Jr. '43 John T. Dobbin '45	<i>New York (Central)</i> Robert B. Simonton '54
<i>Connecticut (Southern)</i> Robert K. Tisdall '50	<i>New York (Northeastern)</i> Halstead C. Ling '29
<i>Connecticut Valley</i> Edward A. Buck '32 Daniel Leavitt '45	<i>New York (Westchester)</i> Clifford B. Storms '54
<i>Florida (Gulf Coast)</i> James J. Corral '40	<i>New York (Western)</i> James M. Dillon '55
<i>Florida (Southern)</i> Orin M. Phelps '24	<i>Ohio (Central)</i> John W. Edwards '59
<i>Georgia</i> Robert R. Eckardt '55	<i>Ohio (Northern)</i> Hugh Silbaugh, Jr. '54

## AMHERST COLLEGE

### *Ohio (Valley)*

Reed E. Bartlett '35

### *Pennsylvania (Western)*

Lowell W. Monroe '52

### *Philadelphia*

Herbert H. Middleton, Jr. '50

George C. Corson, Jr. '56

### *Rhode Island*

C. George Taylor '39

### *Rochester*

James A. Reed, Jr. '52

Robert G. McGrath '52

### *Rocky Mountain*

Frederick K. Conover II '55

### *St. Louis*

William E. Ball '44

### *Texas (Dallas)*

Frederick M. Smith II '56

### *Texas (Houston)*

Jules E. Schneider, Jr. '52

### *The Columbia*

Edgar A. Taylor, Jr. '30

### *Washington, D.C.*

Henry T. Rathbun '44

George Spiegel '41

### *Washington (State)*

William A. Vance '55

### *Wisconsin*

Robert G. Hottensen '40

## FOREIGN

### *France*

Archie L. Taylor '49

### *Great Britain*

Donald E. Hardy '16

### *Japan*

Toshihiko Yamaguchi '26

### *Korea*

Pyong Re Min '60

## MEMBERS AT LARGE

Stephen W. Grant '30

Howard O. Colgan, Jr. '32

Brainerd Chapman '33

William F. Cordner '40

Miner D. Crary, Jr. '42

Dolph W. Zink '43

Robert K. O'Connor '44

William H. Hall '49

Robert J. McKean, Jr. '50

Walter J. Hunziker, Jr. '51

James B. Lyon '52

Byron T. Foster '53

Seth H. Dubin '54

David M. Mace '60

# The Alumni Associations 1967-1968

## EASTERN & SOUTHERN ASSOCIATIONS

**The Association of Boston.** *President:* David D. McNeish, '49, 19 Congress Street, Boston, Massachusetts 02110. *Secretary:* Lucian J. Colucci, '37, 17 Outlook Road, Wakefield, Massachusetts 01880.

**The Association of Cape Cod.** *President:* Nelson Stone, '13, Rendezvous Lane, Barnstable, Massachusetts 02630. *Secretary:* C. Robin Turner, '55, 55 Moonpenny Lane, Chatham, Massachusetts 02633.

**The Association of Central Massachusetts.** *President:* Seward E. Pomeroy, '46, 29 Berwick Lane, Worcester, Massachusetts 01602. *Secretary:* Thomas D. Bushman, '51, 51 Surrey Lane, Holden, Massachusetts 01520.

**The Connecticut Valley Association.** *President:* Hardy L. Nathan, '50, 16 Massasoit Street, Northampton, Massachusetts 01060. *Secretary:* Jonathan P. Rice '62, Apt. D-9, 215 Ft. Pleasant Avenue, Springfield, Massachusetts 01108.

**The Association of Connecticut.** *President:* L. Richard Lyman, Jr., '47, 31 Glendale Road, West Hartford, Connecticut 06107. *Secretary:* James E. Anderson, '57, 16 Powder Horn Drive, Simsbury, Connecticut 06070.

**The Association of Southern Connecticut.** *President:* Robert K. Tisdall, '50, 11 Richmond Hill Road, South Norwalk, Connecticut 06854. *Secretary:* Thomas A. Halleran III, '56, 112 Douglas Road, New Canaan, Connecticut 06840.

**The Association of Maine.** *President:* I. Jack Spiegel, '39, 40 Colonial Road, Portland, Maine 04102. *Secretary:* David F. Whorf, '50, 381 Falmouth Road, Falmouth, Maine 04105.

**The Association of New Hampshire.** *President:* David G. Underwood, II, M.D., '54, 29 Rumford Street, Concord, New Hampshire 03301. *Secretary:* John F. Swope, '60, 173 Mountain Road, Concord, New Hampshire 03301.

**The Association of Rhode Island.** *President:* Nathaniel R. Tingley, '50, 106 Benevolent Street, Providence, Rhode Island 02905. *Secretary:* William M. McCormick, '50, 92 Wheeler Avenue, Cranston, Rhode Island 02905.

**The Association of New York.** *President:* William E. Whitney, Jr., '54, c/o Ogilvy Mather, Inc., 2 East 48th Street, New York 10017. *Secretary:* Robert K. Slote, '51, c/o J. W. Sparks & Co., 60 Broad Street, New York 10004.



## AMHERST COLLEGE

**The Association of Westchester.** *President:* Robert C. Ransom, '41, 22 Gladwin Place, Bronxville, New York 10708. *Secretary:* William W. Collins, '53, 47 Grace Church Street, Rye, New York 10580.

**The Association of Northeastern New York.** *President:* Donald A. MacHarg, '38, 4 Mayfair Drive, Slingerlands, New York 12159. *Secretary:* James E. Siggins, '52, R.F.D. Box 22, Feura Bush Road, Delmar, New York 12054.

**The Association of Central New York.** *President:* Jan R. Farr, '55, 311 Warner Avenue, Syracuse, New York 13205. *Secretary:* John S. Ferguson, '54, 433 Brattle Road, Syracuse, New York 13203.

**The Association of Western New York.** *President:* Richard L. Gernold, '60, 6635 East Quaker, Orchard Park, New York 14127. *Secretary:* James W. Greene, '61, 143 Highland Avenue, Buffalo, New York 14222.

**The Association of Rochester.** *President:* Stephen H. Waite, '58, 1 Exchange Street, Rochester, New York 14614. *Secretary:* Robert S. Charles, '57, 16 Poplar Drive, Rochester, New York 14625.

**The Association of Philadelphia.** *President:* Franklin A. Wurman, '53, 4 Windsor Avenue, Melrose Park, Philadelphia, Pennsylvania 19126. *Secretary:* Richard C. Bond, Jr., '59, 1600 Three Penn Center, Philadelphia, Pennsylvania 19102.

**The Association of Western Pennsylvania.** *President:* George O. Baker, '33, 4901 Frich Drive, Pittsburgh, Pennsylvania 15227. *Secretary:* Robert L. Munroe, '53, 613 Berkshire Drive, Pittsburgh, Pennsylvania 15215.

**The Association of Washington, D.C.** *President:* William C. Hart, '44, 7504 Hampden Lane, Bethesda, Maryland 20014. *Secretary:* Charles F. Turgeon, '57, 19 Orchard Way So., Rockville, Maryland 20854.

**The Association of Baltimore.** *President:* David G. Mock, '47, 1121 Bellemore Road, Baltimore, Maryland 21210. *Secretary:* Carroll R. Hebbel, '64, 4500 Mainfield Avenue, Baltimore, Maryland 21214.

**The Association of Georgia.** *President:* Robert R. Eckardt, '55, 925 Kipling Drive, N.W., Atlanta, Georgia 30318. *Secretary:* Lee N. Lindeman, '59, 149 Lake Forrest Lane, N.E., Atlanta, Georgia 30305.

**The Association of Southern Florida.** *President:* William P. Atwill, Jr., '26, 6676 Windsor Lane, La Gorce Island, Miami Beach, Florida 33141. *Secretary:* Bernard Jacobson, '51, 10th Floor, Dade Federal Building, Miami, Florida 33131.

**The Gulf Coast Alumni Association.** *President:* James J. Corral, '40, P.O. Box 376, Tampa, Florida 33601. *Secretary:* George W. Phillips, '52, P.O. Box 18364, Tampa, Florida 33609.

THE ALUMNI ASSOCIATIONS  
CENTRAL & FAR WESTERN ASSOCIATIONS

**The Association of Northern Ohio.** *President:* John F. Lewis, '55, 1857 Union Commerce Bldg., Cleveland, Ohio 44115. *Secretary:* Harvey O. Mierke, Jr., '59, 19817 Landbury Avenue, Warrensville Hgts., Ohio 44122.

**The Association of Central Ohio.** *President:* Robert E. Lindemann, '51, 329 East Broad Street, Columbus, Ohio 43215. *Secretary:* Sheldon A. Taft, '59, 52 East Gray Street, Columbus, Ohio 43215.

**The Association of The Ohio Valley.** *President:* Stuart J. Swensson, '46, 823 Princeton Drive, Terrace Park, Ohio 45174. *Secretary:* Terrence D. Garrigan, '50, 1016 Markley Road, Cincinnati, Ohio 45230.

**The Association of Indiana.** *President:* Gerry LaFollette, '55, 7016 Warwick Road, Indianapolis, Indiana 46220. *Secretary:* Robert V. Merrell, '43, Rt. #19, Box 700, Indianapolis, Indiana 46260.

**The Association of Michigan.** *President:* Maurice A. Longsworth, Jr., '54, 1015 Detroit Bank & Trust Bldg., 211 West Fort Street, Detroit, Michigan 48226. *Secretary:* David L. Roll, '62, 3250 Penobscot Bldg., Detroit, Michigan 48226.

**The Amherst Club of Chicago.** *President:* Robert B. Jarchow, '44, 334 Chestnut Street, Winnetka, Illinois 60093. *Secretary:* Clement F. Springer, Jr., '57, 327 S. LaSalle Street, Chicago, Illinois 60604.

**The Association of Wisconsin.** *President:* Richard D. Foerster, '50, 3075 North Lake Drive, Milwaukee, Wisconsin 53211. *Secretary:* Victor V. Dahl, Jr., '57, 2028 East LaFayette Place, Milwaukee, Wisconsin 53202.

**The Association of Saint Louis.** *President:* William H. Webster, '45, 506 Olive Street, Saint Louis, Missouri 63101. *Secretary:* L. Donald Goldblum, '57, 8556 Everett Avenue, Richmond Heights, Missouri 63117.

**The Association of Minnesota.** *President:* William Peet, '34, 76 South 8th Street, Minneapolis, Minnesota 55402. *Secretary:* Donald T. Nightingale, '57, 1101 South 3rd Street, Minneapolis, Minnesota 55415.

**The Association of Phoenix.** *President:* Robert J. Walton, '57, 2200 N. Central Avenue, Phoenix, Arizona 85004. *Secretary:* William C. Haus, '50, 8344 E. Camelback Road, Scottsdale, Arizona 85251.

**The Association of Tucson.** *President:* Linn M. Hazen, '33, 1345 Maguire Avenue, Tucson, Arizona 85715. *Secretary:* William H. Creamer, '36, P.O. Box 5913, Tucson, Arizona 85703.

**The Rocky Mountain Association.** *President:* Robert E. Lelievre, M.D., '51, 1741 High Street, Denver, Colorado 80218. *Secretary:* Peter F. Breitenstein, '60, 1536 First National Bank, Denver, Colorado 80202.

## AMHERST COLLEGE

**The Association of Dallas.** *President:* Edward D. Cobb, '50, Schneider, Bernet & Hickman, Inc., 3200 First National Bank Building, Dallas, Texas 75202. *Secretary:* Frederick M. Smith, II, '56, Republic National Bank Tower, Dallas, Texas 75201.

**The Association of Houston.** *President:* Richard F. Teichgraeber, '43, P.O. Box 2538, Houston, Texas 77001. *Secretary:* Howard Barnstone, '44, P.O. Box 1012, Houston, Texas 77001.

**The Association of Southern California.** *President:* Joseph D. Messler, M.D., '35, 620 South Hill Avenue, Pasadena, California 91106. *Secretary:* Robert L. Hicks, '42, 7613 Willow Glen Road, Los Angeles, California 90046.

**The Association of Northern California.** *President:* Peter G. Levison, '56, 72 Parker Avenue, San Francisco, California 94118. *Secretary:* Matthew P. Mitchell, '54, 151 Alvarado Road, Berkeley, California 94705.

**The Association of Washington (state).** *President:* George C. Buck, '42, 3842 N.E. 90, Seattle, Washington 98115. *Secretary:* John D. Olds, '51, 1161 S.W. 170th Street, Seattle, Washington 98166.

**The Association of The Columbia.** *President:* Donald W. Sutherland, M.D., '53, 2455 N.W. Marshall Street, Portland, Oregon 97210. *Secretary:* Thomas B. Carstensen, '55, 8040 S.W. Terwilliger Boulevard, Portland, Oregon 97219.

**The Association of Hawaii.** *President:* Nathaniel R. Potter, Jr., '49, 3710 Tantalus Drive, Honolulu, Hawaii 96822. *Secretary:* Alexander C. Marrack, '55, 1169 Lunahaneli Place, Kailua, Hawaii 96734.

## FOREIGN ASSOCIATIONS

**The Association of France.** *President:* Pierre A. Carrus, '47, 30, rue des Petits Hotels, Paris 10e, France. *Secretary:* Ridley J. Brown, '58, White, Weld & Co., 22, rue de la Paix, Paris 2e, France.

**The Association of Great Britain.** *President:* Donald E. Hardy, '16, 15 Portman Square, London W.1, England. *Secretary:* Thomas H. Lydon, '44, 10 Kingston House South, London S.W.7, England.

**The Association of Japan.** *President:* Toshihiko Yamaguchi, '26, 5-7, Higashi-Gotanda 5-chome, Shinagawa-ku, Tokyo, Japan. *Secretary:* Shigeru Okumura, '54, 17 goto-4, Hibarigaoka Danchi, Kurume-machi, Kitatama-gun, Tokyo, Japan.

**The Association of Korea.** *President:* Ki Hong Lee, '50, Rm. 608 Yechong Bldg., 81-6 Sejong Ro, Seoul, Korea. *Secretary:* Tae Wi Park, '61, 27-4 Sukyo Dong, Mapo-ku, Seoul, Korea.

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# *A Guide to Amherst College*





# Amherst College Bulletin